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Entered
A.W. Livingston's Sons,

COLUMBUS, OHIO, U.S.A.

1897.

ANNUAL
OF
TRUE BLUE
SEEDS.

LIVINGSTON'S
"ONOR BRIGHT"
TOMATO,
NEW FOR 1897.

Pkt. (50 Seeds) 15 cts
2 for 25 cts.

A
GRAND
GOOD TOMATO,
DECIDELY DISTINCT
FROM ALL
OTHERS.

LIVINGSTON'S NEW CUCUMBER FOR 1897.

THE EMERALD

THE DARKEST GREEN OF ALL
VARIETIES.

EXCEEDINGLY SMOOTH
AND HANDSOME, REMAINS GREEN
LONGER THAN ANY OTHER

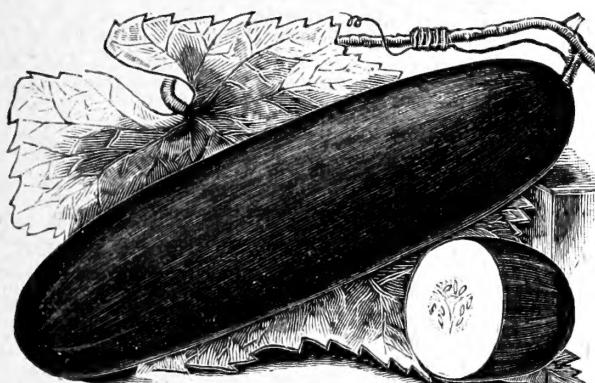
Pkt 15cts
Two for 25 cents.
AND
10 for \$1.00

BOUND TO BE
THE MOST POPULAR AND PROFIT-
ABLE CUCUMBER EVER OFFERED.
NO EXCEPTIONS.

Index. *FOR THE CONVENIENCE OF CUSTOMERS WE GIVE THIS CONDENSED INDEX.*

THE COMING NEW CUCUMBER,

LIVINGSTON'S EMERALD.



Spine, on account of small size, are objected to by many growers.

LIVINGSTON'S EMERALD retains every good point in the best strains of White Spine, and in addition, possesses that rich, dark green color which has been so long sought for but never before obtained. It is **strictly an evergreen**, retaining its color until fully ripe. On sight, its distinct dark green and spineless skin attracts the attention of everyone interested. The fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of the most desirable qualities. **The flesh** being peculiarly crisp and tender, and the flavor delicate, highly recommend it as a slicer. **The young fruit** being dark green, straight and tender, makes an excellent pickle, and **when ripe** none excel it for making sweet pickles.

FOR FORCING. For those who grow under glass, or for long distance shipping, it will prove a boon, on account of holding its deep green color so much longer than any of either the Yellow or White Spine sorts; besides its size and uniformity will suit such growers better than many of the kinds usually recommended for this purpose by seedsmen in general.

The skin—always a handsome green of the darkest shade—when grown under glass is not excelled for beauty in color and form, even by the best English Frame varieties. It is almost entirely free from "warts and spines," so much so that it may be called **spineless**.

As an all purpose table or market variety, whether for gardeners' or farmers' use, it cannot be surpassed.
Sold in Packets Only this Season.

To Our Many Friends and Customers. 1897.

UE extend best wishes for a happy and prosperous season, and in presenting you with our Seed Annual for 1897, we wish you to accept our sincere thanks for your "liberal support," the "good words" spoken and the influence exerted in favor of "TRUE BLUE SEEDS." Without such support—good words and influence—they never would have attained the high position they now occupy.

TRUE BLUE SEEDS take no second place for vitality and purity. Having been tested and tried so long, so generally and so thoroughly, their value and superiority has become known the world over among all classes of seed users, and especially with Market Gardeners, the most difficult to please of all planters, fully realizing, as he does, that from such seeds only can choice vegetables and beautiful flowers be produced; in short, that for him "nothing is so good as the best."

TRUE BLUE SEEDS speak for themselves, and we entertain no fears as to their future success so long as they have such good backing, and so much of it. We have less and less cause every year to praise our seeds, since others do the praising for us. The coming season bids fair to be a good one, and the wise producer of soil products is preparing to reap the benefits.

LIVINGSTON'S TRUE BLUE SEEDS, now nearing their half century year, never enjoyed the confidence of growers of all classes to greater degree than at the present time. By entrusting your orders to us you get the benefit of our long experience as "practical seed growers." It is absolutely necessary that the grower of high grade seeds must have an intimate knowledge of varieties and their widely varying requirements for their proper development. Soil, climate, seasons, peculiarities and many other influences affecting the quality must be understood and considered in establishing a standard of excellence that will meet the wants of planters of every class. Such knowledge is not acquired in a few months' experience behind a seed counter. The growth and proper development of seeds and the absolute knowledge required for the inspection of various seed crops, and vegetable crops intended for seed purposes, require years of actual field experience and constant labor and study, not only to acquire a knowledge of all standard varieties, but to keep up to date with the new ones, and to distinguish impositions offered under new names. The knowledge of some "seed dealers" does not go beyond the production of a fine Catalogue, but each member of our firm is a practical man, having from childhood assisted in plowing, planting, cultivating and harvesting both field and garden products as well as seeds. We venture the assertion that there is not a seed firm in the United States with a better record in this particular line. In addition to this, our traveling men, heads of departments and nearly our entire force have either been engaged in the business of seed producing or market gardening, and, therefore, have some practical knowledge of the requirements of the business. Although, among seedsmen, there has been a general complaint of a falling off in trade during the last year or two, we have been obliged to enlarge our facilities, in addition to what we already occupied, having added two large floors the past summer. This additional space enables us to better arrange for the handling of orders more promptly than ever, although we have for years enjoyed one of the best records in the country for promptness.

**A. W. LIVINGSTON'S SONS,
COLUMBUS, OHIO.**

114 North High Street,

OUR TRIAL GARDENS AND TOMATO FARM is located on Neil Avenue, 15 minutes ride by Electric Cars from the store. Customers and visitors are always welcome (except on Sabbath) and will be hospitably entertained.

Important to Buyers.

By Observing the Following, Mistakes and Misunderstandings will be Avoided.

High Street Entrance to Retail Store.

COLUMBUS

Is a city of over 125,000 inhabitants, is very centrally located geographically, has 16 Railroads, 5 different Express Companies, Telegraph and Telephone wires in all directions, which afford us **unequalled facilities** for receiving orders, shipping and procuring lowest rates to all parts of the country; besides **you have the assurance** of getting your order in the quickest possible time.

Within twenty-four hours' time we can reach two-thirds of the population of the United States.

ALWAYS USE THE ORDER SHEET and Envelope sent with the Catalogue, when possible. Write plainly, keep a copy of your order, and be sure to sign your Name, Post-office, County and State **every time you write to us.** We will furnish extra Envelopes and Order Sheets on application.

HOW TO SEND MONEY.

Express Co.'s Money Order; (5th)—**Cash by Express in amounts not less than \$5.00**; (5th)—**Registered Letters.** When money cannot be sent by either of the first four methods it may be enclosed in a Registered Letter. The rates charged for Post-office Orders and Express Money Orders are now so low that this is the best way to remit where they can be obtained. We will bear the expenses of sending money in either of the above ways.

NO GOODS SENT C. O. D.

Unless cash to the amount of one-fourth the order accompanies the same.

Sending seeds by mail is a very important branch of our business, and we are prepared to fill orders promptly and correctly the **day they are received** in nearly all cases.

In comparing our mail prices, especially on heavy seeds, such as Peas, Beans and Corn by the quart and pint, and other seeds by the pound and one-fourth pound, **BEAR IN MIND** that we **pay the postage**, unless otherwise noted. Remember another thing—packets of heavy seeds, like Peas, Beans, etc., quoted by some seedsmen at 5 cents per packet, *postpaid*, contain but a small amount of seed, after allowing for the 2 or 3 cents postage that it requires to mail each packet. Preferring to *please customers* rather than *disappoint them* we put up liberal 10 cent packets of such seeds.

IS IMPORTANT to order as soon after you get the Catalogue as convenient, then you will have your seeds at hand and for planting when you want them; besides, if you want seeds in large quantities, they can be sent by freight very much cheaper than by express. **SMALL ORDERS**, however, can often be sent by express as cheaply. When goods are to be shipped by freight or express, give plain shipping directions; otherwise we use our best judgment in the matter.

LARGE ORDERS.

Any Dealer, Market Gardener, Institution, or any individual wishing seeds in large quantities, are requested to mail us a list of what they want and we will promptly return it to you with the very lowest prices marked. **A letter of inquiry may save you dollars** if you want to buy in quantity.

SMALL ORDERS.

If you only want a single packet, do not hesitate to send for it. We take as much pains to fill small orders promptly and correctly as we do large ones.

WE URGE

Customers to inform us promptly on the arrival of their orders if not in good condition, well packed and filled exactly as ordered; also to report, after growth, the result, more especially if anything proves otherwise than what was expected. We aim to **make friends of our customers**, and mail orders receive the same attention customers do over our counters.

To write us for any information not found in this Catalogue, on a separate sheet of paper from your order, as your letter goes to the general office and your order to the mail or other department.

BE FREE

Please show this **Seed Annual** to your friends, and if you should receive an extra copy be kind enough to hand it to some neighbor interested in seeds, who will be glad to get it. We will be glad to send a copy **free** to any of your friends in this or any other country likely to want seeds. In return we will ask you to **speak a good word for us** to your friends and neighbors. An order this season, no matter how small, secures our Catalogue for next as soon as issued.

CHANGE OF ADDRESS.

If you have changed, or intend to change your address, please let us know, and we will change it on our books, so that you will receive our Seed Annual, without application, at your new P. O.

GUARANTEE.

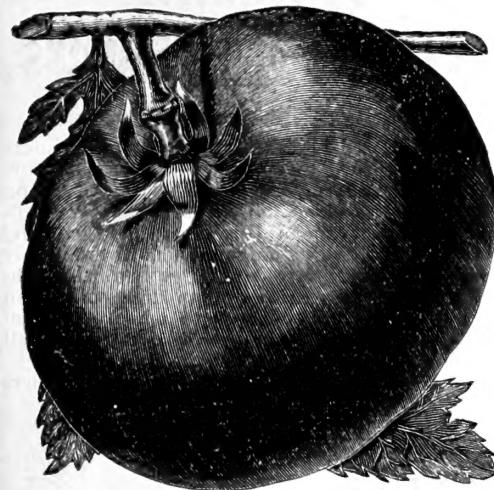
Complaints made that seeds are not good, should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best seeds always giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil; insects of all descriptions destroying the plants as soon as, or before, they appear; wet weather, cold weather, frosts, chemical changes in the seeds induced by temperature, etc. For all these reasons it is impossible to guarantee seeds under all circumstances, and, while we *exercise the greatest care to have all seeds pure and reliable, we do not give any warranty, express or implied.* If the purchased does not accept the seeds on these terms and conditions they must be returned at once and the money that has been paid for the same will be returned. We test our seeds before sending out, and should they fail to grow when properly tested by the customer we will replace the same amount or give value in others. We cannot afford, knowingly, to send out seeds doubtful as to vitality or purity, and you can get no better stocks of any seedsman, even though he *deceitfully professes to warrant seeds*, which frequently covers nothing but the amount paid for the seed. If you do not think so inquire into the extent of the warranty and you will ascertain that your warrants are not crop protection. A guarantee from an **irresponsible** seedsman is of no value whatever.



Livingston's Tomato, "Honor Bright"

.....
NEW FOR 1897.

See First Page of Cover.



Livingston's Latest Addition to the List of Tomatoes

AND LIKE ALL OUR OTHERS WILL TAKE A LEADING PLACE.

A Peculiar Bright Red Variety, which first appeared in the form of a single "sport" plant in a large field of Livingston's Stone Tomato in 1894.

ITS CHIEF PECULIARITIES

Are its SOLIDITY, CHANGES OF COLOR THE FRUIT UNDERGOES DURING DEVELOPMENT, LONG-KEEPING QUALITIES AFTER BEING PICKED, AND ITS LIGHT GREEN FOLIAGE.

IT DIFFERS FROM EVERY OTHER TOMATO.

The vines are vigorous and bear profusely from early to late in the season, and are of a most beautiful light green color.

The Color of the Fruit, when fully ripe, is a Rich, Bright Red, but before reaching this stage it undergoes several interesting changes. First it is light green, then an attractive waxy white, then lemon, changing to red. One of the most attractive and handsomest varieties grown, and well adapted for home use and market, on account of its solidity and long-keeping qualities, it is especially recommended for shipping. It can be shipped in barrels, like apples, if picked in the early stage of ripening, and will keep from one to four weeks if stored in a cool place. The skin seems to be crack-proof, as, the past season, we had two crops, one on rich, highly manured upland, the other on rich river bottom land, and not a single tomato was found with a skin-crack, even after the exceedingly heavy rains during the harvest.

The Clusters bear three to five large, symmetrical fruits on hard, woody stems, the fruit ripening very evenly from the blossom end to the stem.

Its Table Qualities are excellent; the flesh, when fully ripe, being tender and melting, not hard as one might conclude from the solidity of the uncut fruit.

Those who grow it will find it a valuable acquisition, and will be surprised at its distinctness from all other known sorts. **Sold this Season in Packets Only.**

PRICE of "Honor Bright" (postpaid), Pkt., of 50 Seeds, 15c.; 2 pkts., 25c.; 10 for \$1.00.

Giant Podded Sugar Pea, "LIVINGSTON'S PROLIFIC."

A New and Superior Edible Podded or "Snap" Pea now Offered for the First Time.
See Third Page of Cover.

This excels by far any other Edible Podded Peas heretofore introduced. In all of our experience we have never seen anything in the line of Sugar Peas that would equal this variety in productiveness and quality. The pods are longer, broader and more melting than the Melting Sugar, and it is equally as early. The peas are dark colored when ripe, extra large and wrinkled. The pods are very fleshy and equal to the best snap beans for cooking pod and all. The vines average about 36 inches high; when grown without trellis or brushing are strong and rank.

In the spring of 1892, Mrs. M. A. McCracken, a lady customer of ours in Western Pennsylvania, sent us a sample packet of this excellent variety for testing, making the above claims for it. We placed this sample in the hands of one of the best posted pea growers in the country. Read what he has to say regarding it, as compared with the best variety heretofore offered, after having grown it for five years: Jan. 9, 1896 he writes—"We believe this to be an improvement over the Melting Sugar Pea, because of its great productiveness, as well as its fine quality and superior size." Again, he writes, Aug. 19, 1896—"We are pleased to report 12 bushels of Livingston's Mammoth Sugar Peas grown from 58½ pounds of seed sown last spring. Believe you will agree with us that this is an exceptionally fine yield. The fact that it is a bountiful producer, ought to bring it rapidly in general favor, especially as an improvement in the yielding qualities is not at the expense of eating quality."

Having tested this variety carefully on our trial grounds, we recommend all our customers to give it a trial. **Price, by mail, postpaid—Packet, 15c.; 2 for 25c.; 10 for \$1.00.**

Lemon Yellow Tomato.

LATEST THING OUT IN YELLOW TOMATOES.

NEVER OFFERED BEFORE.

Its upright habit of growth and foliage is similar to **Livingston's Dwarf Aristocrat**. The fruit is about the same in size and in other respects it resembles that variety except that the color is a pleasing lemon yellow. In quality it is very desirable. *All should have a packet.* Seed scarce. Pkt., 20c.; 3 pkts. for 50c.

• A. W. Livingston's Sons •

Money-Making

Novelties and Specialties in Vegetables and Flowers.



We are always pleased to receive samples of any new, rare or superior Seeds, Potatoes, etc., that our customers may send us for trial.

NEW DAVIS WAX BEAN.

Unquestionably the best White Seeded Dwarf Wax Bean in cultivation to-day. Pods are clear waxy white, long, straight, thick, and do not discolor in canning. The whole crop will be uniformly handsome and free from illshaped and unfilled pods. The dry beans are handsome and attractive, being clear white, and kidney-shaped. A bean hard to equal in productiveness, compact and upright growth, earliness, hardiness, handsome appearance, selling and shipping qualities. The plant is of sturdy and robust habit, which enables it to hold up the pods from contact with the soil, and facilitates picking very materially.

PRICE (Postpaid)—Pkt., 10c.; pint, 25c.; quart, 40c. By Express or Freight (at the buyer's expense)— 4 quarts, 75c.; peck, \$1.25; bushel, \$4.50.

NOVELTIES are usually the most interesting to customers, no matter how many favorites they may have among the old stand-by varieties. We aim to offer in this department nothing but varieties of real merit and value, and such as are highly endorsed by leading specialists, farmers and growers throughout the country, hence, customers are seldom disappointed in any Novelty we offer. One of the uses to which our Trial Gardens, near this city, are put, is the thorough testing of all new things as soon as offered.



Pod of the New Davis Wax Bean.

ROGERS' 'LIMA WAX.'

A New Dwarf Bean, and a Most Desirable Acquisition as a Snap Bean.

Named Lima Wax, as it has bright, glossy foliage, and the bloom resembles the Dwarf Lima. They require thin planting (two beans being sufficient for a hill) on very rich soil, and will run true and not sport.

The pods are the broadest of all wax bush beans, *color, transparent glossy lemon wax.*

Mr. Rogers claims for this variety four essential points. "(1) Productiveness. (2) Handsome colored and tender pods. (3) Delicious flavor. (4) White seeded and will make an excellent dry bean for baking."

"Having wonderful productiveness, attractive appearance and keeping qualities, it will become a favorite for main crop with *truckers*. Owing to its tenderness, fine quality and delicious flavor it cannot help but please those who want the best. Being white seeded, retaining nice rich color, and delicate delicious flavor, when canned, it will be most desirable for canners' use."

PRICE—Packet, 10 cts.; 3 packets, 25 cts.; pint, 50 cts., postpaid.

"1000 TO 1" STRINGLESS WAX BEAN.

A dwarf bean of great merit, and will be highly appreciated when tested. Take our word for it and give it a trial. Pkt., 10c.; 3 for 25c.; pint, 50c., postpaid.

Powell's PROLIFIC POLE BEAN.

Prof. Powell, of North Carolina, whose name **this wonderful new variety** bears, says of it: "They are an extraordinary snap bean surpassing anything ever seen in our section—bearing profusely, and continuing until frost; they are very tender and palatable—six hills enough for a family." We have grown this variety for several years and find it a **most rampant grower**, one plant filling a pole with a mass of vines—densely loaded with luscious beans, fully **twice as productive as any other variety** in existence. Almost a solid mass of pods from the bottom to top of the pole. The handsome green pods average eight or nine beans to the pod, grow very uniform, about six inches long; **perfectly stringless**, very thick meated, tender, **rich** and **buttery**; possess an exquisite flavor when cooked—many calling it without exception the very best bean grown. It continues in bearing so long it might well be called "everbearing."

BY MAIL, (postpaid)—Packet, 10c.; 3 packets for 25c.; pint, 30c.; quart, 50c.

BY EXPRESS OR FREIGHT, (buyer to pay charges)—Peck, \$2.00; bushel, \$7.00.

A NEW CELERY "THE TRIUMPH."

A long keeper; quality excellent. The stalks are **extra large** and **extra solid**. The quality all that can be desired in brittleness and flavor. Every Celery grower, large or small, should grow it. Pkt., 5c.; oz., 30c.; 2 ozs., 50c.; 4 ozs., \$1.00.

PINK PLUME CELERY.

This new variety is practically identical with White Plume, excepting that the stocks of the former are suffused with pink, and possessing the crispness, rich, nutty flavor, and long keeping qualities peculiar to red sorts. The appearance is extremely attractive, and the quality simply perfect. The habit of growth is strong and vigorous, and with no tendency to rust. Its self-blanching qualities are same as White Plume. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

NEW PERLE LE GRAND CELERY.

The New Perle Le Grand is a remarkable novelty in celery, which we offered our customers in 1894. Its handsome form, stocky, robust and close habit are always admired. Its beautiful, full, golden heart and rich, nutty flavor are unsurpassed by any other variety. It is not only a good early celery, being among the first fit to use, but as a winter keeper has no superior, remaining when properly trenched, in perfect condition away into the spring, when other varieties are done. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

Mr. W. B. Bennett, West Jordan, Utah, November 16, 1896, writes: "The *Triumph Celery* you sent out for trial was fine. I never succeeded with Celery before. I have bunches nearly as long as my arm, and as tender and crisp, and as fine a flavor as ever I ate. It is the best I ever raised or used in my life."

Mr. Wm. Barber, Bradford, Pa., December 27, 1895, writes: "The *Triumph Celery* you sent me last spring is grand. I never grew a better kind. The stalks are about two feet long, very tender and crisp. Every grower should try it."

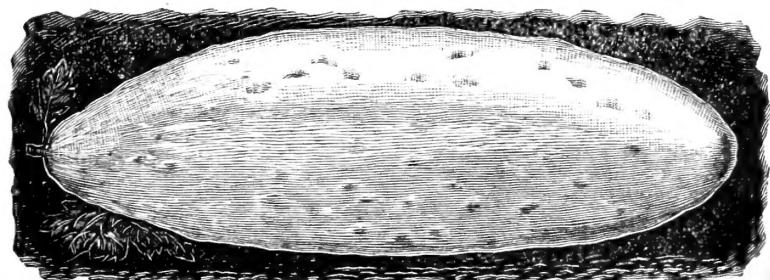
ONE PACKET EACH OF THESE THREE CELERIES FOR 15 CENTS.

NO SEEDSMAN in the Land enjoys a Better Reputation for HIGH GRADE CELERY SEEDS than Ourselves.—**For Leading Kinds See Pages 26-27.**

Cucumber.

"COOL AND CRISP."

The illustration herewith represents the rather peculiar shape of this new cucumber. The beautiful green color of this variety is all that can be desired. Excellent for pickling or slicing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.



NEW SUGAR CORN

“Columbus Market.”

INTRODUCED BY US IN 1896.

Over all the multiplied varieties now offered possesses one great advantage, and that is in its **VERY LARGE SIZE FOR SUCH AN EARLY SORT.** It comes into the market with the second earlies, such as Pee and Kay; Shaker's Early, Livingston's Evergreen, but is fully **twice as large as any of them.** The photograph alongside shows an ear which, when dry enough to shell, was $9\frac{1}{2}$ inches long and yet not an exceptional one. The tips of the ears are often entirely covered over with kernels. The ears average

16 Rows of Fine, Large, Deep White and Very Sweet Grains,

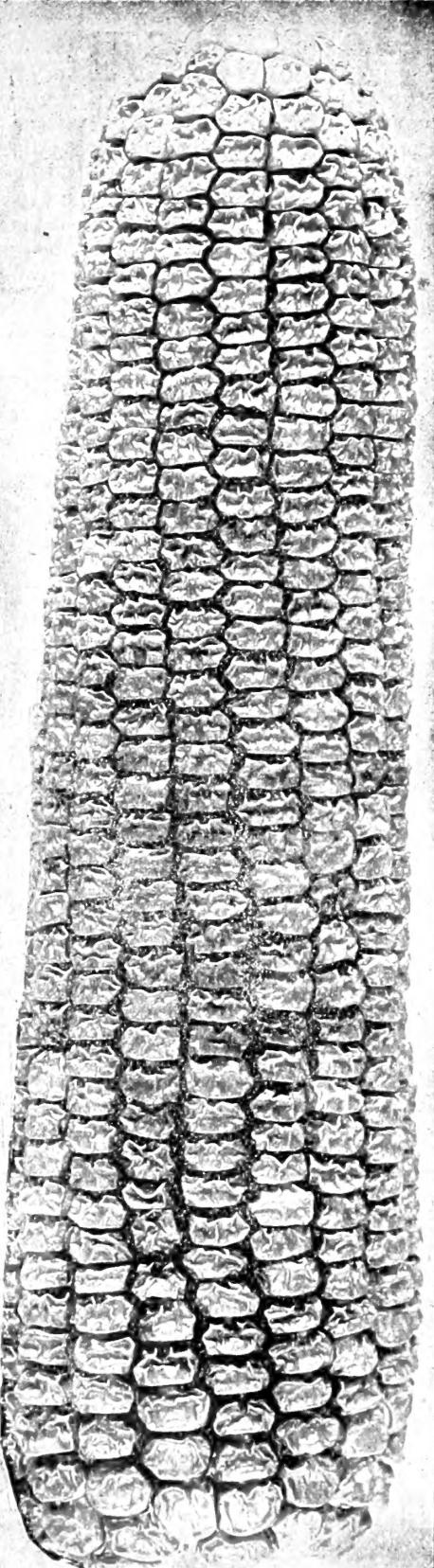
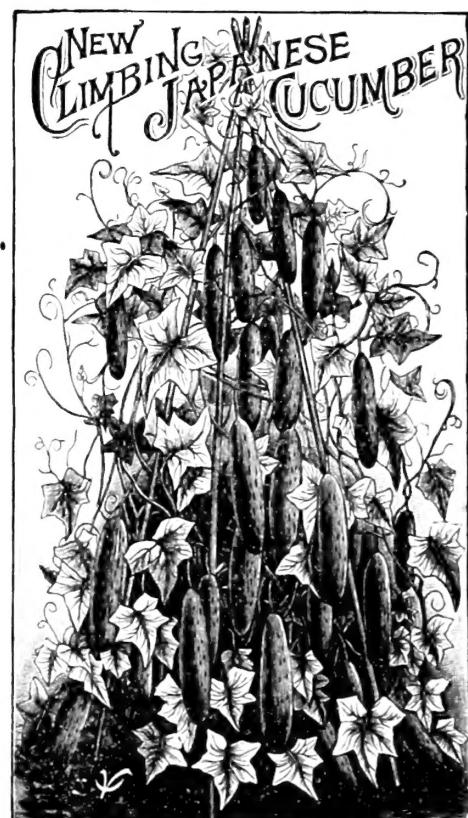
which are second to none in tenderness and fine flavor. It is a **Very Prolific Sort. Persistently Evergreen.** The stalk is very strong and sturdy, of only medium height, six to seven feet; the leaves broad and dark green in color. An excellent succession for our New Hance's Early. All customers are surprised at the large size and early maturity.

PRICE, Postpaid—Packet, 10c.; pint, 20c.; quart, 35c. **By Express or Freight**—Four quarts, 50c.; peck, 85c.; bushel, \$3.00.

Japanese
Climbing
Cucumber.

Vines are extra strong; foliage more vigorous than other kinds, and being a climbing sort, can be grown on trellises, &c., saving valuable space in small gardens. It is very prolific, from forty to fifty cucumbers having been counted on single plants. Fruit cylindrical, about 10 inches long, thick and of fine flavor.

PRICE, Postpaid—
Packet, 5c.; oz., 10c.;
2 oz., 15c.; $\frac{1}{2}$ lb., 25c.;
lb., 50c.



SEIBERT'S EARLY LIMA BEAN.

INTRODUCED FIRST IN 1895.

THE EARLIEST TRUE LIMA.

Developed by a Market Gardener who selected the largest green beans from the thinnest and most easily opened pods. THE VERY BEST SORT FOR THE MARKET GARDENERS' USE. THE MOST EASILY PREPARED FOR MARKET OF ANY OF THE LIMAS.

The vine is very productive, hardy and vigorous. Produces pods very early and the beans are of fine quality.

The green shelled beans are of immense size but so tender and succulent that they shrink in drying to about the size of the Large White Lima. No up-to-date gardener will fail to try it.

PRICE—Postpaid—Pkt., 10c.; pint, 25c.; quart, 45c. By Express or Freight—4 quarts., \$1.25; peck, \$2.25; bus., \$8.00.



Hance's Early Sweet Corn.

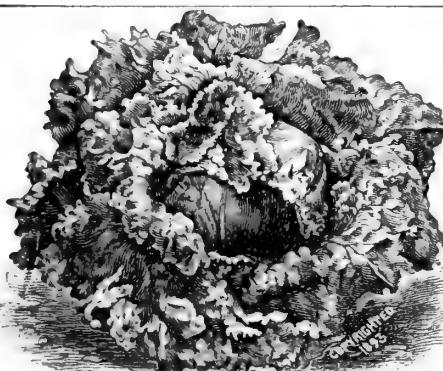
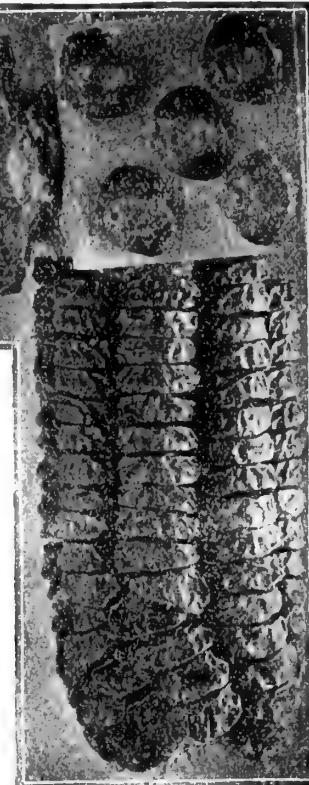
(INTRODUCED BY US IN 1895.)

ITS HANDBOME EAR,
STRONG BROAD, WHITE KERNELS,
POINTS. SUPERIOR QUALITY AND PRODUCTIVENESS.

The handsome ear is long and shapely, has a small cob well filled with broad white showy kernels. The habit of growth is strong, vigorous and prolific, but not tall. It comes into the market closely after the extra early kinds, but is vastly superior to them in quality.

A MOST PROFITABLE VARIETY FOR EARLY PLANTING.

PRICE, (postpaid), Packet, 10c.; pint, 20c.; quart, 35c.; 2 quarts, 60c. By express or freight, 4 quarts, 50c.; peck, 80c.; half bushel, \$1.40; bushel, \$2.50.



Iceberg Lettuce.

A BEAUTIFUL LETTUCE WORTHY OF UNIVERSAL CULTIVATION.

THE QUALITY IS SIMPLY PERFECT.

Large curly leaves of bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curve strongly to the center, making it impossible for the leaves to open outward and expose the center which is constantly thoroughly blanched. Pkt., 5c.; oz., 20c.; 1 lb., 50c.; 1 lb., \$1.75.

Extras.

For years past we have sent out WITH ORDERS from customers, FREE OF CHARGE, for trial many thousand packets of new and rare Flower and Vegetable Seeds, and expect to keep up this habit as long as reports from the same are so satisfactory as they have been.



LIVINGSTON'S NEW IDEAL CABBAGE.

LIVINGSTON'S

Ideal Winter

CABBAGE.

THIS variety is a few days earlier than Livingston's Premium Flat Dutch, and is certainly one of the most magnificent strains of Late Flat Dutch known to-day. By persistent selection, year after year, it has been brought to a state of perfection rarely, if ever, attained elsewhere. The large, solid heads, the low, short stems, the absence of useless foliage, the uniformity of size and shape, the reliability for heading, and the long continued selection mentioned above, all combine to make this the IDEAL Cabbage for Profit. Our seed of this Cabbage was grown from large, solid, fully matured heads, which were pulled in the fall, pitted over winter, and set out in the spring. This method is very expensive, and seed produced in this way cannot be sold at a small price.

PRICE, Postpaid—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

LIVINGSTON'S N A B O B WATERMELON.

NEW, DISTINCT, BEAUTIFUL.

In 1895, after several years of careful selection, we had the pleasure of naming and offering to the public this **GRAND NEW WATERMELON**.

Uniform in Shape, Size and Color.
Unequaled in Beauty and Quality.

BEST OF ALL { **FOR THE HOME GARDEN.**
FOR THE MARKET GARDEN.
FOR THE SHIPPING TRADE.

R. Fisher, Thompson, Texas: "Your NABOB MELON is all you claim it to be. I planted several different kinds of melons this spring, and none did so well as the Nabob. The vines were very strong and vigorous and the fruit was large and solid throughout, where the other kinds were mis-shapes and often rotted at the ends. I have tried several good reputed melons, such as Boss, Arkansaw Traveler, etc., but the Nabob is the best for this rich bottom land."

NEW MORSE LETTUCE.

CHIS new Lettuce was originated by Mr. Morse, one of the largest Lettuce Growers in the United States, is certainly deserving of trial. The fact that Mr. Morse gave this Lettuce his own name, is the strongest endorsement he could give it. While this Lettuce could hardly be called a hard heading variety, yet the large bunch of leaves which each plant produces, grows so compactly as to cause the inside leaves to blanch. The outside leaves are of a bright, showy, green color, while within they are of a beautiful straw color. They are exceedingly tender, crisp and juicy. We recommend it as a most excellent Lettuce, both for early spring and summer use.

PRICE—Packet, 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



PEARL WHITE EGG PLANT.

CDELICIOUS VEGETABLE. The plant is a large, vigorous grower, and comparatively free from thorns. The fruit is pure creamy white, with slight shading of a very light green near the stem, thus being of more attractive appearance than the purple sorts; beautiful in shape, resembling somewhat the purple variety. In eating quality it is superior, being more delicate, very fine grain and well flavored. It makes one of the most palatable dishes either fried or baked. There is not a garden in the land which would not be improved by this vegetable being represented in its collection.

PRICE, Postpaid—Pkt., 10c.; $\frac{1}{2}$ oz., 25c.; oz., 45c.; 4 ozs., \$1.50.

THE ROSE
GEM MELON.

Improved in Size and Shape for Shippers.

THE illustration alongside is an exact reproduction of a photograph of a tray of this **Improved Extra Early Netted Gem Melon**. The shape, it will be observed, is a little more oval than the original strain, which gives them additional strength to stand shipping. The size has also been improved without losing a day in earliness. As now improved, we regard it as the very best and most profitable extra early melon in existence for Market Gardeners and Shippers, and nothing among the green fleshed varieties surpasses it for quality. The flesh is fine-grained, "*smooth as butter*," and very sweet.

PRICE OF TRUE SEED—Packet, 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25; 3 lbs., \$3.25

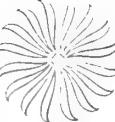
Mr. W. C. Callahan, Nashville, Tenn., Sept. 25, 1896, writes: "Wish you would make me price on 5 or 10 lbs. of Rose Gem Melon. They are the best melon that was ever placed on the market."

IMPROVED ROSE GEM MELON.

Livingston's Tip Top Melon.

(Introduced by us in 1892.)

Tip Top IN QUALITY.
IN APPEARANCE.
IN PRODUCTIVENESS.



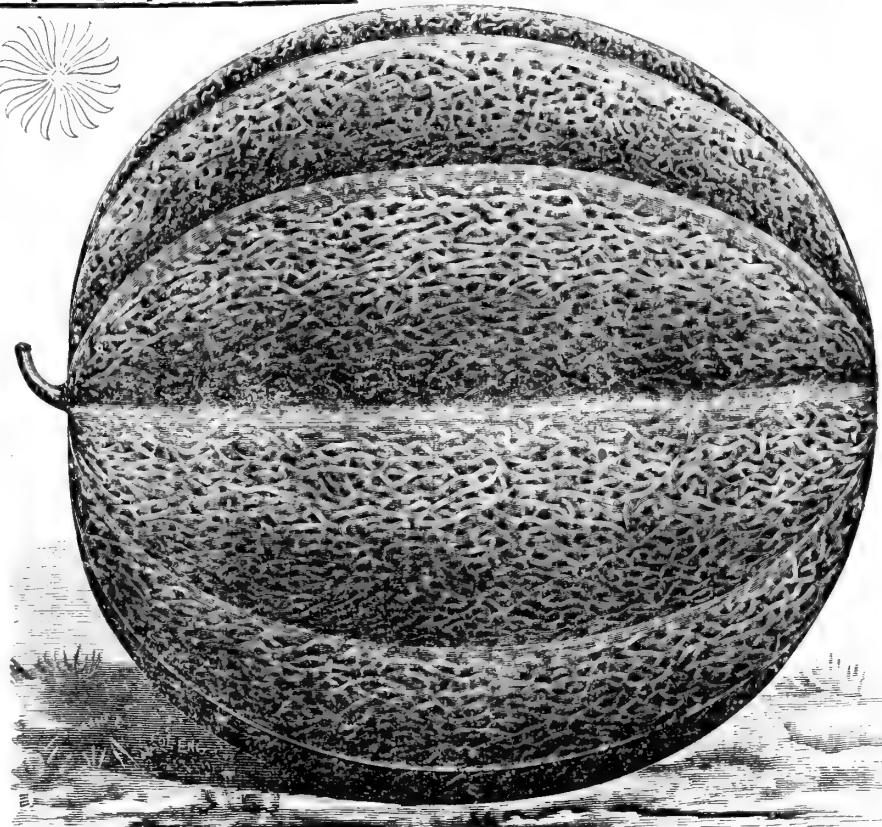
We never offered a new sort of any vegetable more valuable than this Muskmelon.

It is so distinct in appearance that it attracts favorable attention at first sight. Closer acquaintance with this melon will prove that there is one exception to the old rule that "familiarity breeds contempt." Gardeners tell us that their customers soon learn to pick them out, and will have no other. Our claim for the **Tip Top** is that it stands the very **Tip Top for quality**. Very good specimens are occasionally found among the well-known yellow-flesh kinds, but the universal testimony of every one using the **Tip Top** is, that every fruit produced, whether big or little, early or late in the season, is a good one—sweet, juicy, fine-flavored, firm, but not hard fleshed, eatable to the very outside coating. In **productiveness** it is unexcelled.

Money Makes Merry Men. 
LIVINGSTON'S TIP TOP
Musk Melons Make Money.

We must also not fail to emphasize its captivating appearance when exposed for sale on the market stand. By care and close attention for the past six seasons we have greatly increased the attractive appearance of this variety by selecting for seed stock the best specimens, and especially those showing the greatest amount of netting. Those who had seed of us the first season of its introduction will remember that it was almost entirely free from netting. Marketmen tell us that it is a common occurrence for passersby to stop and admire them.

Price of selected seed saved from typical Tip Tops—Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25; 3 lbs., \$3.00.
Postpaid



A TYPICAL TIP TOP.

WHAT GROWERS SAY

Mr. Thos. L. Ross, Macon, Ga., July 25, 1896, writes: "I have been trying for several seasons to get an ideal melon, but have never succeeded until this season. I have found it in Livingston's Tip Top Nutmeg. From a patch 60 feet square, I gathered 400 of the best melons I ever saw, although we had a very unfavorable spring. Not a drop of rain fell in ten weeks. I have given melons to a number of my friends and Market Gardeners, all of whom pronounced them Tip Top in every respect. In size, quality and productiveness, the Tip Top is far ahead of any melon I have ever grown. I expect to plant several acres of them next season."

ABOUT TIP TOPS.

Mr. Geo. C. Short, Winchester, Ohio, Sept. 15, 1896, writes: "The Tip Top Nutmeg Melon stood the test as to quality better than any of the other kinds this excessive wet season."

Mr. J. P. Lancaster, Richmond, Ind., Sept. 1, 1896, writes: "I am selling Tip Top Melons to about all the best melon customers in our place, including the Wescott House, at a greater price per bushel than other kinds bring per barrel."

A. H. Wilcox, Miller's Station, Pa., April 16, 1896, writes: "The Tip Top Melon Seed that I got of you last year was a success. They were a long way ahead of all others for productiveness and quality."

TRY SOME NEW THINGS EVERY YEAR IT MAKES GARDENING MORE INTERESTING.

N.^EW Cincinnati Market Radish.

THIS superb radish, as its name indicates, was produced in the vicinity of Cincinnati, Ohio, by the "Glass Gardeners there. It outsells all others in any market to which it goes, and is by all odds the handsomest long red radish in cultivation.

The tops are so very small that the radishes may stand touching each other in the rows. One grower says that the tops are too small to "pull by," and also that he never thins this variety like he would other kinds, which quickly run up to seed if left standing too thickly in the row. They grow perfectly straight and smooth, and from six to seven inches in length. Their attractive, glossy, scarlet colored skin is very thin, and the flesh crisp and brittle, and of delightfully pungent flavor. Without doubt it is the finest Long Red Radish for forcing, and outsells any other that is put in competition with it on any market. Being long standing it is also an extra fine sort for the home garden, entirely exempt from any tendency to become pithy or hollow. **Price (postpaid)**—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.; 3 lbs., \$2.50.

Mr. J. R. Ground, Bissell, Md., November 8, 1896, writes: "The Cincinnati Market Radish is the finest I ever grew. It created a sensation in our market."

Mr. J. W. Nigh, Richmond, Va., May 30, 1896, writes: "The Cincinnati Market Radish got you in the spring is the finest I have ever grown."

Mr. George Popp, East Liverpool, Ohio, writes: "Cincinnati Market Radish is the best I ever saw of the red varieties."

Mr. J. R. Mullet, Madison, Ohio, July 23, 1896, writes: "The Radish I had this year (Cincinnati Market) gave the best satisfaction of any radish I ever grew. Scarcely a maggot in the whole piece. The man who bought the most of them said they were the best he ever handled."

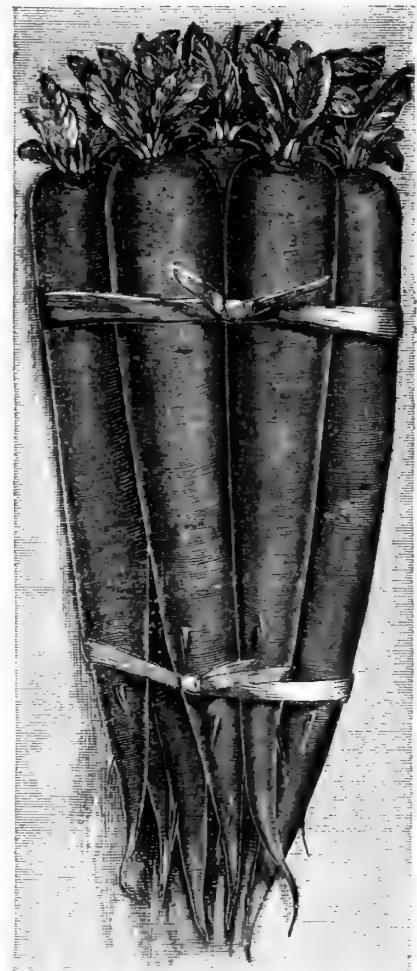
Peter C. Keel, Rochester, Minn., September 1, 1896, writes: "I have had a good

many of your specialties from time to time, and have always been pleased with them. Your Cincinnati Market Radish has afforded me both "pleasure and profit."

Mr. James Dewel, Canton, Ohio, June 11, 1896, writes: "The seed I bought of you last year produced the finest radishes I ever grew. Everyone who tasted the radishes gave them the highest praise."

Mr. W. A. Brown, Westminster, Ohio, writes: "I think your Cincinnati Market Radish the finest radish grown. Have found all your seeds 'True Blue' so far."

Sutton Brothers' Commission House: "I have known the Cincinnati Market Radish for the last 30 years. No variety holds its freshness longer, meets with reader sale or gives better satisfaction. We sold it for years in Cincinnati before coming to Columbus fifteen years ago." L. K. SUTTON.



\$1.00 : Big Dollar Collection. : \$1.00

Made up of our Regular Sized Packets, and not put up Expressly Small for the occasion.

1 Beans—Golden Cluster.	The Best Pale Bean in the world.	17 Muskmelon—Tip Top.	A No. 1.
2 Beans—Dwarf, Rustless Wax.	Yellow pods; very early.	18 Onion—Danvers Yellow Globe.	Best general crop.
3 Beet—Crosby's Egyptian.	Very early and good.	19 Onion—White Globe.	Best white; good keeper.
4 Beet—Detroit Blood Turnip.	Best general use.	20 Pepper—Ruby King.	Sweet. Largest of all.
5 Cabbage—Extra Early Jersey Wakefield.	No. 1.	21 Parsnip—Hollow Crown.	Standard everywhere.
6 Cabbage—Livingston's Ideal.	Best winter.	22 Pumpkin—Sweet, or Pie.	Best for the table.
7 Celery—Giant Pascal.	Very crisp.	23 Peas—Livingston's First-in-Market.	A grand early.
8 Celery—White Plume.	Self-Blanching.	24 Peas—New Shropshire.	Immense pods. Excellent.
9 Corn—Country Gentleman.	Best late.	25 Radish—Scarlet Turnip.	Good for early.
10 Corn—Livingston's Evergreen.	Sweetest of all.	26 Radish—New Chartiers.	Best early or late.
11 Cucumber—Livingston's Evergreen.	Best all purpose.	27 Radish—Livingston's Surprise Mixture.	
12 Cucumber—Our Extra Early White Spine.	Best early.	28 Squash—Large Golden.	Summer.
13 Lettuce—Butterhead.	Splendid early.	29 Squash—Warty Hubbard.	New. Very fine.
14 Lettuce—Defiance.	Best of all summer Lettuces.	30 Tomato—Livingston's Stone.	None better.
15 Watermelon—Ice Cream.	Quality can't be beat.	31 Tomato—Aristocrat.	New dwarf. Fine early.
16 Watermelon—Sweet Heart.	New. Choice.	32 Turnip—Purple Top Strap Leaf.	First rate

16 PACKETS FOR 60 CENTS. We will send Nos. 1, 4, 6, 7, 10, 11, 14, 16, 17, 18, 20, 21, 23, 27, 29 and 30 FOR ONLY 60 CENTS.

Two Full Collections for \$1.75. Three for \$2.50.

FREE.

With each order for the \$1.00 Collection we will add one packet each of LIVINGSTON'S SUPERB ASTERS and LIVINGSTON'S MIXTURE OF SWEET PEAS. Those ordering the 60 Cent Collection may select either of these free packets.

A NEW EXTRA EARLY POTATO *LIVINGSTON'S PINK EYE.*

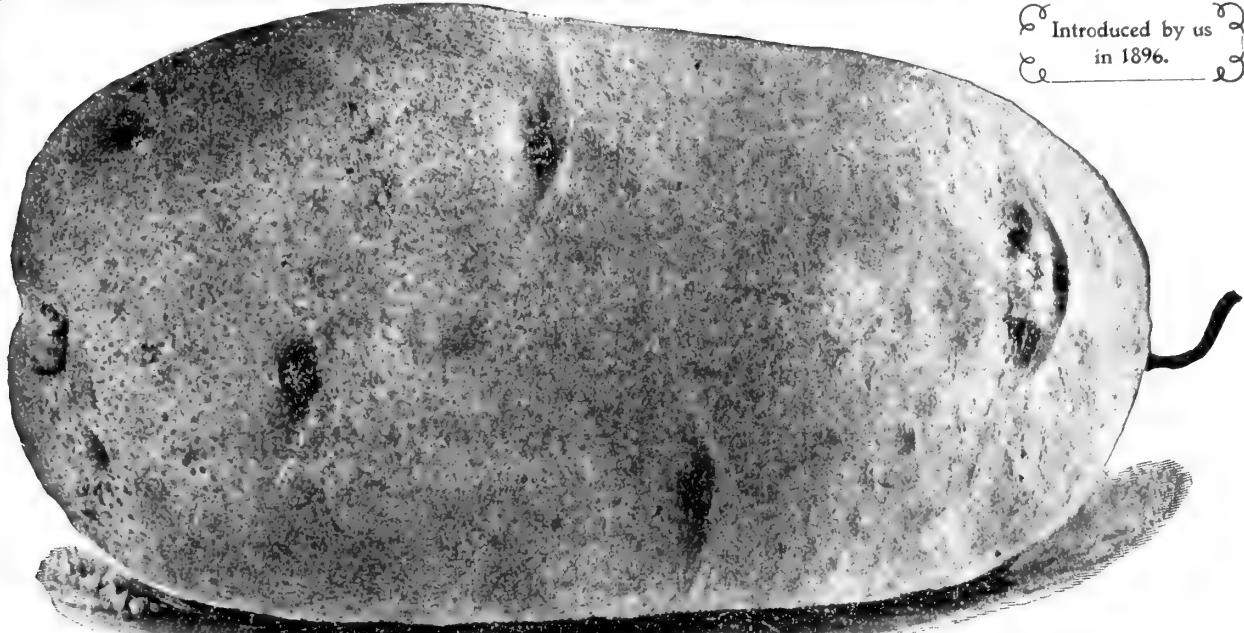
THIS NEW EXTRA EARLY POTATO, now offered for the first time, promises to outclass the Early Ohio in earliness. It originated with one of our Michigan growers who has grown potatoes for us exclusively for over ten years past, and is considered a most valuable sort by him, as will be seen by what he writes. Although a good strong grower, yet the vines die down very quickly when matured. It has a beautiful pink eye, and the skin is white and very handsome. Eyes are shallow, as will be seen from the photograph. We have for many years claimed our Extra Early Ohio could not be surpassed for earliness; but if this new sort maintains its present record, it will take first place. We invite growers to test it by the side of their favorite extra early sorts.

OUR GROWER SAYS: "In regard to the Early Pink Eyes, we made a very careful test of them this season in two different places with the **Early Ohio**, and in both places the **Pink Eye** gave the best results, particularly in our garden where the ground was good, and their fine appearance and fine quality and their extra earliness made them a favorite with every one who saw them. We find them **at least 8 or 10 days earlier than the Ohio**. We sold a few on the early market and they all preferred the Pink Eye. Size medium. They set very heavy. I found as high as 18 in a hill."

PRICES BY MAIL—Postpaid—One pound of **Potatoes**, 40c.; three pounds, \$1.00. **50 Eyes**, 50c.; 125 Eyes, \$1.00. **BY EXPRESS OR FREIGHT—At the Buyer's Expense**—Peck, \$1.00; $\frac{1}{2}$ bushel, \$1.75; bushel, \$3.00; barrel, \$8.00; two barrels for \$15.00. **No Discount will be Made for Larger Quantities.**



© Introduced by us
in 1896. ™



THE LIVINGSTON POTATO. —A WHITE— SENECA BEAUTY.

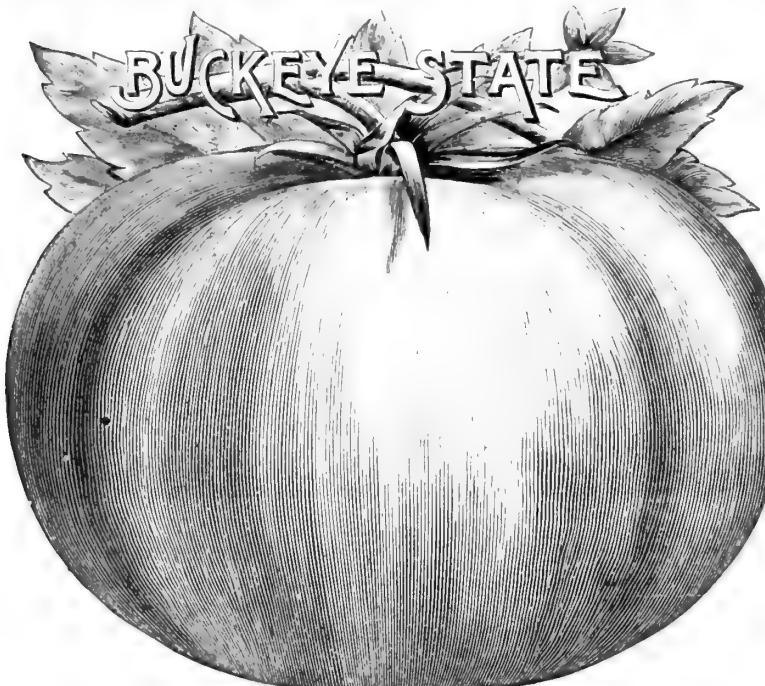
THE above photograph gives a very good idea of its size, smoothness and very desirable shape. It has but few and very shallow eyes. The Seneca Beauty is admitted by all who have ever grown it to be one of the most beautiful of all the many rose colored varieties, and those familiar with it, will at once realize what a beauty it would be, if clothed in a white jacket and especially if it retained its delicate peach blaw eyes. That is exactly what we have in **The Livingston**. It is a rank grower, very productive, and its cooking qualities are superb. Our stock is **Michigan Grown** and we will book orders while it lasts as follows:

BY MAIL—(Postpaid)—1 lb. of **Potatoes**, 50c.; 3 lbs., \$1.00; 40 Eyes, 50c.; 100 Eyes, \$1.00. **NOTE**—We guarantee safe arrival if our terms of shipment on page 62 are complied with.

BY EXPRESS OR FREIGHT, PRICES—Peck, 50c.; $\frac{1}{2}$ bus., 80c.; bus., \$1.50; bbl., \$4.00; 2 bbls., \$7.75; 4 bbls. \$15.00.

Mr. J. S. Lowell, of Iowa, writes: "I have 'The Livingstons' that weigh $2\frac{1}{4}$ pounds. They are greatly admired by everybody. I hope to enlarge on them next year." Mr. Geo. W. Mace, Darke Co., Ohio, writes: "This is a very distinct variety. With me it stood at the head in yield of 36 varieties grown in field of culture."

LIVINGSTON'S BANNER—THE BEST, ROUND, WHITE POTATO IN THE WORLD.—See Page 62.



J. W. Kuestricks, Creston, Ohio, 3-12-96, writes: "Your Buckeye State Tomato is the largest and loveliest Tomato I ever grew. I have had them weigh two pounds in field culture, and no fertilizer used."

Bolivar Luckett, Toristell, Mo., writes: "Your Buckeye State Tomato is unsurpassed for beauty, quality and size by any thing we have ever grown in the Tomato line. I heartily recommend it to all lovers of good Tomatoes."

Joseph Long, East Winthrop, Me., Sept. 16, 1895: "I write to speak of the success of your seed. The Buckeye State Tomato this year has been a great success with me, as it was last. Though a little late for this northern latitude, they are certainly the largest and smoothest Tomato. Your **Dwarf Aristocrat** I have tried this season, and was delighted with its size and handsome color. It yielded the most fruit to the square yard of any kind I had."

E. Wentworth, Sunier, Iowa, March 21, 1895: "I have grown every kind of Tomato, and thought Beauty the best. But your **Buckeye State** attracts more attention than any Tomato that was ever seen on the market here."

George W. Dover, Cridders, Va., March 29, 1895: "Your Buckeye State Tomato can't be beat."

SCARLET KASHMYR TURNIP. ("Cardinal.")

The beautiful pinkish red color of this new turnip makes it very striking. It is unique among turnips, bearing some resemblance to a large radish. It produces large, smooth white-fleshed roots of excellent keeping qualities. Among the earliest. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

GIANT Seedling Tomato.

For enormous size it exceeds anything we have ever grown. Specimens weighing 30 to 35 ozs. are quite common. It is of a pinkish color, a wonder of vigor and productivity, solid and has the least seeds of any. The tomatoes are all more or less ribbed, and some quite rough, but the outside can be pared off, leaving in the larger specimens a solid mass of flesh; a good one for home use. Pkt., 10c.; 3 pks. for 25c.



SCARLET KASHMYR TURNIP.

Livingston's Buckeye State Tomato.

Smooth Tomato in the World. Bearing the Livingston's Name. Clustered of any Variety Tomatoes in the Clusters.

(Introduced by us in 1893.)

It averages at least one-half larger than **Livingston's Beauty**. Many "mammoth" sorts have been introduced of late, but on first trial they are rejected on account of their rough and uneven surface if for nothing else. When, therefore, we state that in addition to its very large size, it is also smooth and uniform, like all the other sorts introduced by us, we are sure we have said enough to enlist the attention of Tomato Growers everywhere. This is not all, however, for although its large size might lead some to believe the fruits are few in number, yet the fact is, it is even more prolific and abundant in fruit than most any of the standard sorts now in cultivation. It is unquestionably the heaviest cropper known. The tomatoes are borne in immense clusters of four to eight extra large fruits, and occasionally ten large fruits have been found in a single cluster. It matures with the **Livingston's Stone**. In solidity and meatiness it has no equal, in desirable quality none surpass it. The color is much the same as **Livingston's Beauty**, but of a somewhat darker shade, and this, together with its very large size and clear-cut outlines, make it very showy and striking when displayed for sale. In shape it is a little thicker from blossom end to stem than most other sorts. For four years we have grown this variety by the ordinary method, as well as on stakes, on our Tomato Farm near this city, and the tomatoes were the admiration of all visitors.

PRICE of Choicest Select Seed—Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

W. S. Hunter, Savannah, Mo.: "I like your Buckeye State Tomatoes. They are smooth and nice to peel and can. I have raised some of them this year, and I tell you they are nice."

Priscilla Baker, Sugar Tree Ridge, Ohio, March 22, 1895: "I like your garden seeds very much. Your Buckeye State Tomato is the best I ever raised. It cannot be beat. I recommend your seeds to everyone."

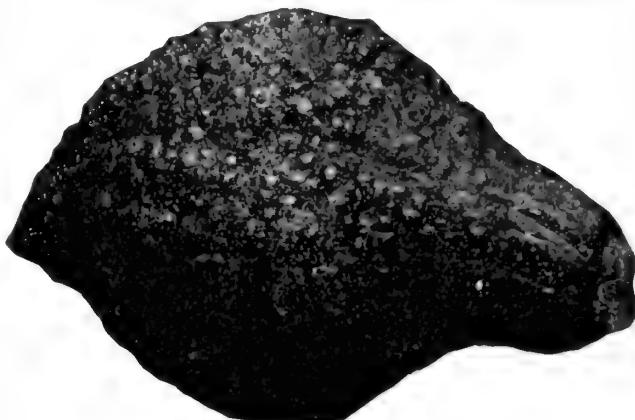
Daniel D. Clark, Jackson, Ohio, April 2, 1895: "Your Buckeye State Tomato has attracted considerable attention. It and your Beauty are the best I have ever raised."

C. E. Patterson, Bridgeport, Ohio, March 15, 1895: "I grew your Buckeye State Tomato last year. It is the best I have ever raised. We got 25 cents a bushel more for our Tomatoes than other growers here."

Bowmont Farms, Salem, Va., March 19, 1895: "We have for two seasons grown your new Tomato, Buckeye State, and with great satisfaction, and wish to try it again the coming season."

S. P. Morris, Urbana, Ohio, March 16, 1895: "I have been growing tomatoes for a good many years, but I have not had any that equals the Buckeye State. It is the finest tomato that I ever saw, and it will sell before any other. Its table qualities are unequalled."

Chicago Warted Hubbard Squash.



This seems to be by all odds the very best strain of Hubbard Squash we have ever grown. Some of its good points are large size, dark green, almost black color, all looking alike, and withal distinguished by a dense covering of knots ("warts"); thick fleshed, of first-class quality, and a good keeper. Their handsome appearance appeals strongly to customers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

• KENDEL'S •
Early Giant Sweet Corn.

This Sweet Corn is not placed on the market as a mere novelty—it is more than that—it is an article of real merit, and that gives us pleasure to be able to offer something we believe will come into general use. The ears grow to a tremendous size, measuring 8 to 10 inches long and having 10 to 18 rows on each cob, the majority having 12 rows; kernels pure white, sweet and tender. Gardeners report this Corn ready to use in 60 days grown on sand and 72 days on heavy clay. Dealers and truckers report ready sales and are enthusiastic over its large size and productiveness.

BY MAIL, Postpaid—Pkt., 10c.; $\frac{1}{2}$ pint, 15c.; pint, 25c.; quart, 45c.
BY EXPRESS OR FREIGHT—Peck, \$1.35; bushel, \$5.00.



Ornamental Pomegranate. "QUEEN ANN'S.....
....POCKET MELON."

Grows on a pretty vine; its handsome fruit is a lemon-yellow striped with dark orange, varying from the size of a small peach to that of an orange. Very fragrant, sweetly perfuming a room with their pleasant odor for days. Very prolific and easily grown. Packet, 5c.; 6 packets, 25c.

*** RED BEAUTY POP CORN. ***

This valuable new rice Pop Corn was originated by an expert pop-corn grower of Illinois, who, while roguing a field of Snow Ball Pop Corn, in the summer of 1888, discovered a sport of a remarkably peculiar style. Since, by isolation and careful accumulative selection, he has secured a variety which for beauty, earliness, great productiveness, crispness, sweetness, tenderness, great depth of grain, and smallness of cob, cannot be equaled. Fifty bushels per acre being a common yield. It pops splendidly and is in every respect a first-class family pop corn.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c., postpaid.



—NEW—

BLACK NUBIAN PEPPER.

The Peppers are deep blue-black (never green, even when small), superior for pickles at any stage and attracts universal attention.

Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Osage Muskmelon.

NORTH MICHIGAN GROWN SEED.

Growers of this favorite, who wish to make a change of seed are hereby given a golden opportunity. We have a few pounds of very choice originator's stock that was grown in extreme North Michigan, about as far up as melons will thoroughly mature, and it ought to give excellent results in more southern latitudes. Persons ordering this particular stock, should ask for *Michigan Grown Osage*.

PRICE, postpaid—Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00; 2 lbs., \$1.75; 5 lbs., \$4.00.

BLACK...
....PARIS MUSKMELO.

A very large melon, distinct in form and markings. It is oblong, square-ended, weighs from ten to fifteen pounds. Rind black; ribs broad and prominent, skin somewhat netted; flesh deep orange, very thick and excellent in flavor. Very showy and selling well in market. Should be planted on rich melon land. Pkt., 5c.; oz., 15c.; 4 ozs., 50c.



GOLDEN SALSIFY.

When prepared for the table, this variety has a quality which, for delicious flavor, extreme richness and tenderness, has been unapproached by either of the old varieties. Its habit of growth is unlike other varieties; the leaves are dark green in color, finely crimped and curled, and the roots have slightly yellowish tinge. Packet, 15c.; 2 packets, 25c.



NOVELTIES IN SWEET PEAS.



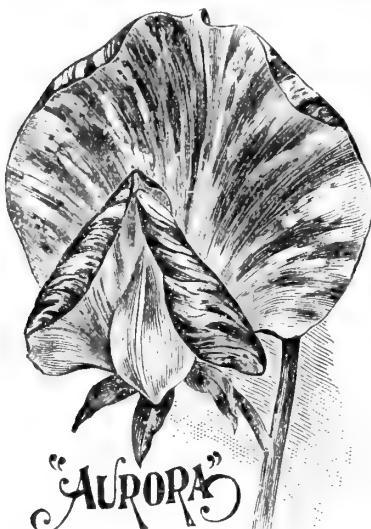
New Sweet Peas for 1897. A REMARKABLE AND SUPERB SET OF SIX NEW SWEET PEAS, not one but what is distinct from any variety offered heretofore. EVERY ONE A GOOD ONE.

"MAID OF HONOR." Has been developed from one plant selected three years ago. The coloring is very beautiful—lighter than the original *Butterfly*. It is light blue on a white ground, shaded and edged. The flowers, borne three on a stem, are of the finest hooded form, entirely free from the notches so conspicuous in the original *Butterfly*, while in size and substance they are fully equal to *Lottie Eckford*. In the illustration of a single flower we show a side view to illustrate the distinct blue edge and the entire freedom from the notches at side of standard. Each packet contains thirty seeds. Pkt., 15c.; 2 pkts. for 25c.; 10 pkts. for \$1.00.

"BRILLIANT." A bright Scarlet Sweet Pea of improved form. The flowers are of good substance, medium to large in size: the broad standard is inclined to hood, while the wings are well spread. The color is of a rich, bright crimson scarlet. The wings nearly equal the standard in intense richness of color. The flowers are borne *three* on a stem, and retain their full brilliancy of color under the hottest sun,—*never becoming marbled or burned*. The representative of THE FLORISTS' EXCHANGE, New York, after a close comparison of all the Scarlet Sweet Peas, in full bloom at FORDHOOK, in July, 1896, pronounced it "far superior to *Firefly* in both color and form." A packet contains thirty seeds. Pkt., 15c.; 2 pkts. for 25c.; 10 pkts. for \$1.00.

NEW COUNTESS.

The *Countess of Radnor* is a favorite Sweet Pea with everybody on account of its delicate lavender-mauve color and fine form. Its one fault, this new strain comes *almost absolutely true from seed*. The flowers are of largest size and *pure light lavender throughout*. Florists or others who grow for sale will find this variety out-sells any other. Pkt., (about thirty seeds), 15c.; 2 pkts. for 25c.; 10 pkts. for \$1.00.



AURORA.

It is impossible to overpraise the striking beauty of this gigantic-flowered new Sweet Pea. The flowers are of fine substance, full expanded form (as shown in the illustration), and are *truly gigantic in size*. The immense flowers are borne three and four on a stem; the stems are extra long and strong. The vines are vigorous in growth and bloom most profusely. The color effect is gorgeous; both standard and wings are flaked and striped on a white ground with *bright orange-salmon*. For bunching alone, or to brighten a bouquet of assorted colors, nothing could be more effective. *Comes absolutely true from seed*. Each packet contains thirty seeds. Pkt., 15c.; 2 pkts. for 25c.; 10 pkts. for \$1.00.

CREOLE. A chance seedling from *Lemon Queen*, the flowers are of the same open, expanded form. Of good substance and large size, the vines average three flowers on a stem. The standard is light pinkish-lavender, while the wings are a pure lavender. The flowers are of a *most refined, delicate beauty*, and are produced profusely. A packet contains only **twenty seeds**, as our supply of seed is *very limited*. Pkt., 15c.; 2 pkts. for 25c.; 10 pkts. for \$1.00.

GOLDEN GATE. *Entirely unlike any other Sweet Pea known.* Flowers of good substance and large size, with standard of fine hooded form. The novel feature is seen in the long, pointed wings, which stand upright (like the ears of a rabbit), nearly parallel with the standard. The wings never overlap or meet together, as in all other Sweet Peas. The numerous strong stems bear three and four flowers each, while a remarkable feature is that two stems frequently grow together (united their entire length), bearing *six to eight flowers on one truss*. The standard is soft pinkish-mauve; wings a lighter mauve and lavender. Each packet contains 30 seeds. Pkt., 15c.; 2 pkts. for 25c.; 10 pkts. for \$1.00.

NOTE—Any Two Packets of the Above for 25 Cents, or any Ten Packets for \$1.00

For 75c.

The Set of SIX, and in addition customers may select any 10c. (or two 5c.) packet of Sweet Peas offered here or elsewhere in this Seed Annual, (see next page and page 79) and all will be sent postpaid, **ONLY 75 CENTS FOR THE LOT.** Our stocks above are direct from head quarters—the best there is. We take no chances on any inferior stock that may be offered.

THREE FINE NEW SWEET PEAS, ODD AND BEAUTIFUL.

DAYBREAK. A novel of the most renowned Sweet Pea Specialist in America—Mr. Hutchins—and is the *best original sort he has been at work on*. In color it has white ground and on the reverse of the standard is a crimson cloud, which shows through in the fine veins and network, giving to the center of the front of the standard a fine crimson-scarlet watered effect, the outer margins being white. The wings are slightly flaked with crimson. Pkt., 10c.; oz., 25c.; 5 ozs., \$1.00.

ODDITY. A marked peculiarity is the irregularity of form in the flowers: the standards are inclined to curl considerably. The stems are heavy and strong, generally bearing four flowers. The flowers are a pale carmine edged with bright rose, giving it the appearance somewhat of a red-edged variety. A remarkably strong grower. One of the most peculiar and attractive varieties that we grew last season and attracted fully as much attention as any other. Pkt., 10c.; oz., 25c.

GRAY FRIAR. *Entirely unlike any other Sweet Pea.* Excites surprise and admiration wherever seen. It is a most beautiful *watered purple* on white ground, the heaviest coloring being on the back of standard. The flowers are of a hooded form, of large size, are borne three and four on a stem. Perfectly beautiful in a bouquet when bunched alone. Pkt., 10c.; oz., 25c.

THREE PACKETS (one of each) FOR ONLY 20 CENTS.

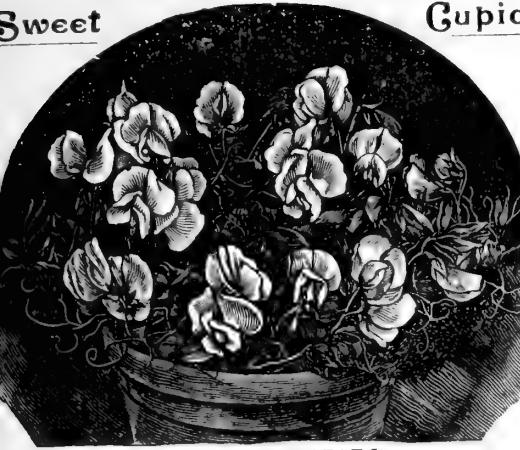
Probably no more satisfactory selection could be made for 20 cents.



THREE PACKETS (one of each) FOR ONLY 20 CENTS.

Probably no more satisfactory selection could be made for 20 cents.

Sweet



A POT OF CUPIDS.

Cupid The First Dwarf Sweet Pea, CUPID.

Grows Only Five Inches High! The Floral Wonder of the Age!

It comes absolutely true from seed. Again, this season, there was not a single plant that showed any variation in habit or color. It excites wonder wherever seen—such a Sweet Pea, yet in habit so unlike a Sweet Pea! It has all the fragrance of the most favored Eckfords. The flowers are of fine substance and full size, borne two and three on the end of each stem—all opening about the same time. Grown in a twelve inch-pot just fills the top; with its blooms of glistening whiteness it is wonderfully attractive in the house or conservatory. In the garden it will be used chiefly as a border plant, for it will bear trimming to just the proper shape. Price of True Stock—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.75.

A PINK CUPID.

Present indications
promise a Pink
Cupid for 1898.



"RED RIDING-HOOD" SWEET PEA.

A New Sweet Pea "RED RIDING-HOOD."

From California,

Fascinating Color.

Fragrant as a Rose.

RED RIDING HOOD is a new departure in form. Standard and wings are a pleasing rosy pink, shading to blush-white at the calyx; the keel, which is almost completely enveloped, being nearly pure white. Robust in habit, early flowering, and in plentitude and continuity of bloom it is said to excel all other sorts. The standard is diminutive, and peculiarly convoluted, forming a hood around the wings, which protrude in wavy form, lending a novel and pleasing character to the flower. The length and rigidity of the stems are remarkable; they run eighteen inches long and over, and when cut, the stem and bloom retain their stability for a much longer period than other sorts. Each packet will contain twenty-five seeds. Pkt., 10c.; 3 pkts. for 25c.; 15 pkts. for \$1.00.

Six New Dahlias.

Never Offered Before.

Propagated and brought out by one of the best and largest growers of fine Dahlias in the United States. The following descriptions are his, and we do not hesitate to indorse every word; having seen the flowers we pronounce them very superior in size and beauty.

JOHN ELITCH—Too much could hardly be said in favor of this new Dahlia. It is pronounced by good judges as the **Best Red** ever sent out. The flowers are **very large**, *five to six inches in diameter*, and double to the center, which remains full for several days after the outer petals have faded. The stems are long and wiry. Its color is a bright, dazzling red; velvety. Foliage much darker green than the average. It belongs to the Decorative or Semi-Cactus class.

PRINCE OF INDIA—One of the finest introduced in recent years. Immense flowers, often six inches in diameter, of perfect Cactus form and is densely double. Its color is very pleasing, almost like the American Beauty Rose, but brighter. Its stem is good and it flowers freely.

LOUISE—Darkest Dahlia of all: as black as King of the Blacks Pansy. Extra long stems and flowers of perfect form.

JOSEPHINE—Bright scarlet: the flowers are of good size and excellent form, stems long; very free flowering. This is a *beauty*.

QUEEN OF SHEBA—A peculiar combination of gold and silver in its color. Flowers, medium to large size, and a free bloomer; good stems.

E. A. TUNNELL—A beautiful red variegated and shaded with pure white: a very pretty and attractive flower, almost as perfect and round as a ball.

Any of the above Dahlias 25 cents each; dozen, \$2.50, or while our stock is unbroken we will send the **Set of Six** (or any six of one or more kinds) for \$1.25.

New Yellow Canna, "Burbank."

* * * *
GIANT ORCHID-LIKE FLOWERS,
CANARY YELLOW,
DOUBLE THE SIZE OF MADAM CROZY.

* * * *
A Splendid Bedding Plant, Luxuriant Broad Leaves. A California Seedling of Great Merit.

* * * *
PRICE—Fine Growing Plants, each, \$1.00; 6 for \$5.00, prepaid.
Our supply is secured from Headquarters, and is therefore Reliable.

ROSES—THE TWO RAMBLERS.

NEW YELLOW RAMBLER, "AGLOIA."

A new Climbing Rose, and the hardiest yellow yet introduced. *A very vigorous grower; very sweetly fragrant.* Same style as Crimson Rambler and a worthy companion to it. Flowers are borne in immense clusters.

Strong Plants, (postpaid), each, 75 cents; dozen, \$7.50.

LIVINGSTON'S BEAUTY. THE BEST UNDER GLASS.

LIVINGSTON'S STONE.

Prof. W. J. Green, Horticulturist at the Ohio Experiment Station for many years, and acknowledged the country over as authority on "Vegetables Under Glass," stated to us on Nov. 28, 1896:

"At the Station we have found, after many trials, no better or more productive variety than Livingston's Beauty for forcing under glass, and next to it, in my opinion, comes Livingston's Stone."

While we were already satisfied on this point, we are proud to have a report of this kind to make, coming as it does, from such high authority, the value of which will be better understood, when it is known that for 15 years extensive trials have been carried on in a most thorough and practical manner by Prof. Green and his able assistants. Whole houses (of various builds), side benches and all have been devoted annually to tomatoes alone.

Panzer, Ill.—"I am willing to take your word for anything WITHOUT A WARRANT." Very seldom indeed are we ever asked to warrant our True Blue Seeds.

Don't Ask a Warrant.



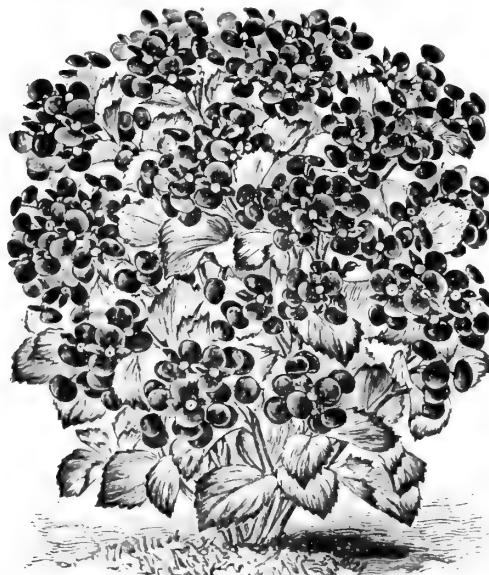
CELOSIA, "OSTRICH FEATHER."

Twenty-four inches in length, the plants growing from two to three feet in height.

White Branching—A pure white.

Price, of either variety—Pkt., 10c.; 2 pkts., 15c.; 30c.; $\frac{1}{2}$ oz., 50c.; oz., \$1.75.

Lavender—New and very fine. Pkt., 10c.; 3 for 25c.



NEW VULCAN BEGONIA.

FOR THE ACCOMMODATION OF CUSTOMERS

We will order for them anything in Seeds offered by other seedsmen, even if only one packet is wanted; simply remit the price named in their Retail Catalogue and state in whose catalogue it was quoted. Frequently we have in store some stocks of nearly all good things offered by others, and can fill orders promptly.

Celosia,

"Ostrich Feather."

This new Feathered Celosia produces very large plumes which are exquisitely curved and curled in resemblance of an ostrich feather. The plant grows about three feet high, is of handsome pyramidal form, and the numerous massive plumes waving gracefully above the foliage make it one of the most effective ornamental plants for either pot or outdoor culture. It is of easy cultivation, requiring the same treatment as the ordinary Cockscomb.

Crimson—*Intense fiery scarlet*—Pkt., 5 cents.

Orange—*Bright golden orange*—Pkt., 5 cents.

...NEW...

Branching Asters.

A choice strain of American grown Asters which has, by careful selection, been brought to a high degree of excellence. The plants are of branching habit, producing from ten to twenty perfect flowers from four to six inches in diameter on stems from ten to

twenty-four inches in length, the plants growing from two to three feet in height.

Mary Gemple—A beautiful shade of shell pink.

Price, 15c.; 2 pkts., 25c.; 10 pkts., \$1.75.



BRANCHING ASTER FLOWERS.

THE NEW BEGONIA VULCAN.

(*Begonia Semperflorens Atrococcineum*.)

This grand new variety is a seedling of the well-known **Begonia Vernon**, which is so popular all over the world as the best variety for bedding on account of profusion of bloom, beautiful foliage, and hardy growth. The many good qualities of **Vernon** are intensified in the **Vulcan**, which might be called, appropriately, **the New Scarlet Vernon Begonia**. Planted side by side, the **Vulcan** is similar in growth and free-flowering character, while it completely eclipses the **Vernon** in the intense brilliancy of its flowers. Each plant is covered with flowers, which are of the most intense fiery scarlet color, even the stamens being tipped with bright red. The entire plant is so brilliant that it looks like a mass of burning coals. Comes perfectly true from seed and stands the most intense heat of summer, growing vigorously, without wilting, even in hot weather

Pkt., 15c.; 2 pkts. for 25c.; 10 pkts. for \$1.00, postpaid.

Japanese Morning Glories.

(*IPOMOEA TRILoba*.)

The Most Beautiful and Valuable Annual Flowers introduced in twenty-five years, and the Most Popular, the Flowers being Magnificent in Size and Appearance.

The great variety of rich and delicate colors, tints and markings is wonderful and almost incredible. They are of all shades of red, delicate pink to the most brilliant crimson and maroon, and innumerable shades of blue, from pale lavender to the richest indigo and purple; also white, yellow, brown, and many other odd shades. Many have a distinct marginal band of a different color from the rest of the flower, and some are spotted with pink, crimson, blue, brown, etc.; others are striped, blotched, mottled, rayed and shaded in an indescribable manner. Many are of very odd and singular forms; some have the petals separate and distinct clear to the base; others are scalloped, fringed, frilled or ruffled edges, some with wide, deep throats resembling choice Petunias, also magnificent double flowers of various colors. The foliage of some of the varieties is almost as beautiful as the flowers, and they would be worthy of culture in any garden even if they had no flowers. The leaves are of various forms, some ivy-like, smooth and glossy; others, very hairy; some are green, splashed and variegated with white and silver-gray; rich yellow or golden-bronze leaves, often splashed, marbled and mottled with white, gray and green. The vines of most varieties are very vigorous and growth rapid, climbing from 15 to 30 feet. They branch freely near the ground and soon cover arbors, piazzas, trellises, fences, walls, or buildings with a mass of rich foliage and flowers. They begin to flower in a few weeks after planting the seeds and continue in bloom until killed by frost. Price, per packet, 10c.

From Queensland, Australia.—Oct. 15, 1896. "Having got your 50-cent Packet Collection of Flower Seeds, as an experiment, I tried them and have been very successful with them. They were the admiration of my friends here, especially the Pansies, Carnations and Asters; that is the reason of my coming to you for so many ($\$10.40$ order), my friends wishing me to get seed for them."

JOHN RAMSEY.

Mr. Ramsey also states that our Tomato seed grew first-class. "Planted early in August as soon as frost would permit. Had beautiful Buckeye State Tomatoes over 1 lb. in weight, also California Cream Butter Lettuce was all you recommend it to be."

General List

of

Vegetable Seeds



In this department we aim to offer a complete list of all known varieties of real value, and to exclude everything worthless; also to leave out an endless number of kinds for which there is no demand. We are careful to avoid offering the same variety of seeds under different names; also to avoid using misleading descriptions. It has been our aim to give fair and reasonable General Instructions as to planting and growth; but allowance must be made, for what applies in one latitude or section may widely differ from another not very far distant.

Order Early. Please order as soon after you get this Catalogue as possible, and **and then you will have your seeds at hand for planting when you want them**; besides if you want heavy seeds in large quantities they can be sent by freight very cheaply.

Seeds Prepaid by Mail. Please bear in mind that the prices in the following list include **prepayment of postage** by us on all seeds offered by the **Packet, Ounce, Quarter-pound, Pound, Pint or Quart**, unless otherwise noted. Thus you have only to send the catalogue price, and **we guarantee safe delivery by mail, postage prepaid**. If the seeds are to go by express or freight with other seeds, etc., at the buyer's expense, deduct **8 cents for a pound, 8 cents for a pint, and 15 cents for a quart**. Half-pounds supplied at pound rates; half-bushels at bushel rates.

Market Gardeners, or other large planters, requiring larger quantities of seeds than are here offered, are invited to write for our Special Price List. This list we can not send to private gardeners, even if they apply for it, as it is intended only for those who grow for market. In writing, please state whether you are a Market Gardener, Florist or Dealer in Seeds.

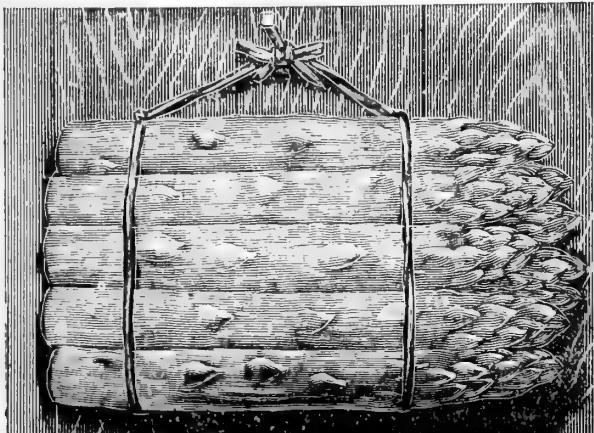
SEED DISCOUNTS.

Packet Seed Discounts. This does not refer to seeds offered by weight (oz., lb., etc.) or measure (pint, quart, etc.), but to seeds in **PACKETS ONLY**. Nor does it refer to Potatoes, Onion Sets or Bulbs.

For 25 cents select 6 five-cent packages of Vegetable or Flower Seeds.
For 50 cents select 13 five-cent packages of Vegetable or Flower Seeds.
For \$1.00 select Seeds in Packets (no ounces) amounting to **\$1.30**.
For 2.00 select Seeds in Packets (no ounces) amounting to **2.75**.
For 5.00 select Seeds in Packets (no ounces) amounting to **7.25**.

Bulk Seed Discounts. This discount refers to **SEEDS** quoted in catalogue by **weight or measure**, and not to Potatoes, Onion Sets or Bulbs, as some understood it last season, nor to Seeds in Packets:

On an Order for \$ 5.00	10 per cent.
On an Order for 10.00	12 per cent.
On an Order for 20.00	15 per cent.



DONALD'S ELMIRA ASPARAGUS.

ASPARAGUS.

French—*Asperge*. German—*Spargel*. Spanish—*Esparrago*.

One of the earliest spring vegetables, and one that would be in more general use were it known how easily it can be grown. It can be grown in any good garden soil, but does best in moist, sandy soil.

To grow plants from seed, sow in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, "thin out," and the following spring the plants may be set out in beds six feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, with the plants four inches below the surface. The deeper the soil and the more manure used the greater the crop. Annually, after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the fall they should be cut and removed from the beds, and just before winter cover the beds with four inches of coarse, strawy manure or leaves, which should be removed in the spring. A bed 6x60 feet is ample for an ordinary family, and when well established is good for twenty years.

One ounce of seed sows 60 feet of drill. About 400 plants to the ounce.

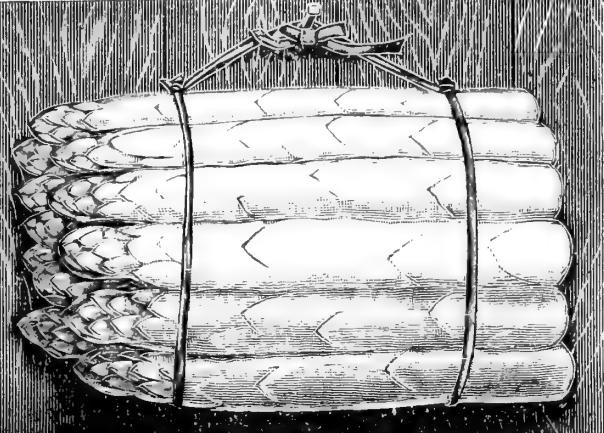
Columbian Mammoth White—An entirely distinct variety producing shoots which are white, and remain so as long as it is fit for use. In addition to the advantage of its white color it is even more robust and vigorous in habit, throws larger shoots and fully as many of them as Conover's Colossal. It needs no earthing up in order to furnish the white shoots so much sought for. Pkt. 5c.; oz. 10c.; 1/4 lb. 25c.; lb. 90c.

Donald's Elmira—Originated with Mr. Donald, a well-known market gardener of Elmira, N. Y. It is quite different from either Barr's or Palmetto, and a good, reliable mammoth variety. Pkt. 5c.; oz. 10c.; 1/4 lb. 20c.; lb. 75c.

Conover's Colossal—A large and rapid grower of excellent quality. Pkt. 5c.; oz. 10c.; 1/4 lb. 20c.; lb. 50c.

Barr's Mammoth—Very large and uniform, grows very quick, and is very light in color. Pkt. 5c.; oz. 10c.; 1/4 lb. 20c.; lb. 60c.

Palmetto—Claimed to be an earlier, better yielder, and more even grower than Colossal. Pkt. 5c.; oz. 10c.; 1/4 lb. 20c.; lb. 60c.



COLUMBIAN MAMMOTH WHITE ASPARAGUS.

ASPARAGUS ROOTS.

By purchasing good, strong roots one or two year's time is saved.

Columbian Mammoth White—By mail, (postpaid), 50 roots, 65c.; 100 roots, \$1.25. By express or freight, (not prepaid), 100 roots, 75c.; 500 roots, \$3.25; 1000 roots, \$6.00.

Donald's Elmira—By mail, (postpaid), 50 roots, 65c., 100 roots, \$1.25. By express or freight, (not prepaid), 100 roots, 75c.; 500 roots, \$3.25; 1000 roots, \$6.00.

Conover's Colossal—By mail, (postpaid), 50 roots, 60c.; 100 roots, \$1.00. By express or freight, (not prepaid), 100 roots, 75c.; 500 roots, \$3.00; 1000 roots, \$5.50.

Palmetto—By mail, (postpaid), 50 roots, 60c.; 100 roots, \$1.00. By express or freight, (not prepaid), 100 roots, 75c.; 500 roots, \$3.00; 1000 roots, \$5.50.

Barr's Mammoth—By mail, (postpaid), 50 roots, 60c.; 100 roots, \$1.00. By express or freight, (not prepaid), 100 roots, 75c.; 500 roots, \$3.00; 1000 roots, \$5.50.

Special Prices for Larger Quantities of above Roots.

ARTICHOKE.

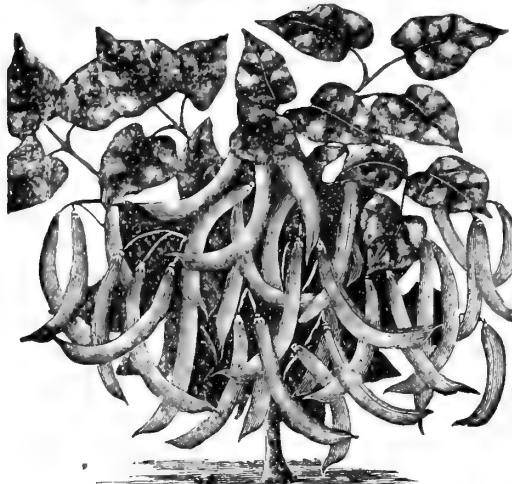
French—*Artichaut*. German—*Artischocke*.

The Globe Artichoke is grown for its flower heads, which are cooked like Asparagus. It is perennial, hardy, and easily cultivated, hence should be more generally grown. Seed can be sown in hot-beds, and transplanted into pots, so as to give plenty of room, until danger from frost is past, and then transplanted into very rich ground, three feet apart each way, or the seed can be sown outside early in April in a rich seed bed in drills one inch deep, twelve inches apart, thinning, when up, to four inches apart in rows; but in that case will not likely produce heads the first season. Protect, in winter, with a slight covering of manure or leaves put on late after cutting off the old tops. The second season they will form heads about July 1st. Once established they will remain bearing for years.

Large Globe—Pkt. 5c.; oz. 25c.; 1/4 lb. 80c.; lb. \$3.00.

Remember our Prices for Packets, Ounces, Quarter-pounds, Pounds, Pints and Quarts, are postpaid, unless otherwise noted.

Beans



EXTRA EARLY ROUND POD VALENTINE.

GREEN PODDED VARIETIES.

Extra Early Round Pod Valentine—At least ten days earlier than Early Valentine, and usually ready to pick in 35 days after planting. Pods round, thick and fleshy, of finest quality and unequalled in uniformity of ripening; one of the most profitable sorts for gardeners. Packet, 10c.; pint, 20c.; quart, 35c.; peck, \$1.00; bushel, \$3.75.

White Valentine—The seed of this bean being white gives it additional value, as it can be used green as a snap bean, or as a winter shelled bean. Pkt, 10c.; pint, 20c.; quart, 40c.; peck, \$1.00; bus. \$3.75

Early Mohawk—First early; none better for first planting; productive, very hardy, almost rust proof; can be used when half grown. Packet, 10c.; pint, 20c.; quart, 35c.; peck, \$1.00; bushel, \$3.50.

Livingston's Round Six Weeks—A most excellent green podded snap bean. It is not only extra early, but is a good, strong grower and abundant cropper. No green podded sort approaches it in freedom from strings. A favorite with all Market Gardeners. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.00; bushel, \$3.75.

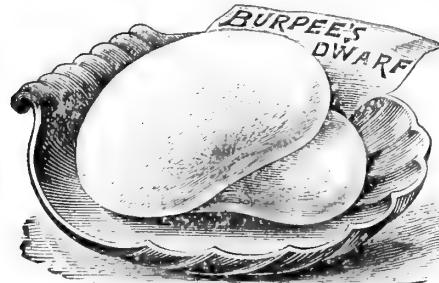
Early Warwick—One of the earliest if not the earliest Green Bush sort; stringless; a heavy cropper and good shipper. Packet, 10c.; pint, 20c.; quart, 35c.; peck, \$1.25; bushel, \$4.50.

Long Yellow Six Weeks—A fine early string bean. Packet, 10c.; pint, 20c.; quart, 35c.; peck, \$1.00; bushel, \$3.50.

Refugee, or Thousand to One—Hardy; abundant bearer; flesh thick, tender. Pkt, 10c.; pint, 20c.; quart, 35c.; peck, \$1; bus. \$3.50.

Extra Early Refugee—Has all the good qualities of the famous Refugee; immense yielder; sure to produce a good crop in either wet or dry season. Pkt, 10c.; pint, 20c.; quart, 35c.; peck, \$1; bus.. \$3.75.

DWARF OR BUSH LIMA BEANS.



Dreer's Dwarf Lima—A true bush form of Dreer's Lima Pole; matures early and very productive. The beans, in a green state, are not quite as large as the Large Lima, but grow closer together in the pods, are thicker, sweeter, more tender and succulent, and remain green after maturing. Single plants often bear 100 to 150 pods. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.50; bushel, \$5.50.

Burpee's Dwarf Lima—Beans as large as the Large Pole Lima but strictly dwarf and come absolutely true from seed. Of stout growth and always erect, branching vigorously, bearing from 50 to 200 handsome, large pods, well filled with very large beans, identical in size and luscious flavor to the well-known Large Pole Limas. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.75; bushel, \$6.00.

Kumerle, or Thorburn—A dwarf form of the famous Challenger Lima. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.50; bushel, \$5.50.

DWARF OR BUSH VARIETIES.

French—*Haricot*. German—*Bohne*.

Spanish—*Frijoleno*.

hills one and one-half feet apart in the row, and rows three feet apart, or in wet with dew or rain, as earth will rust the leaves and injure the crop, especially in sandy soil.

Beans are tender and should not be planted until all danger from frost is past; no time is gained by planting before the ground becomes warm. Plant in drills three or four inches apart, or in

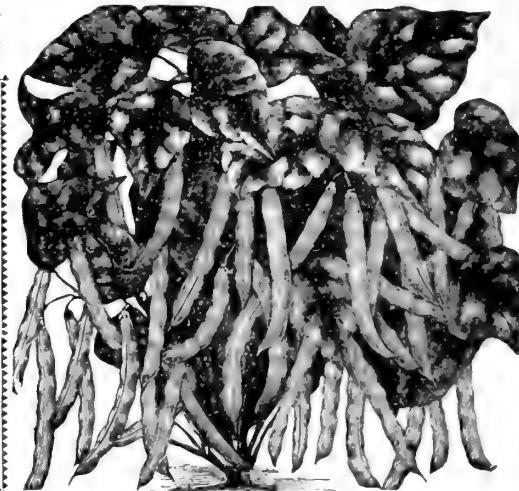
One quart will plant 100 feet of drill; one and a half to two bushels to the acre.

OUR QUART AND PINT PRICES

include postage. If to go by express, at buyer's expense, deduct 15 cents from the quart, or 8 cents from the pint prices.

PACKETS LARGE

Customers write us that our packets are well filled and generally contain more seeds than others.



LIVINGSTON'S ROUND SIX WEEKS.

Coddard, or Boston Favorite—Early; very large and very productive; excellent for shell beans. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.00; bushel, \$3.50.

Emperor William—Produces immense flat green pods in great profusion; very early and of splendid quality. *Largest podded of all Bush sorts.* Pkt, 10c.; pint, 25c.; quart, 45c.; peck, \$1.25; bus. \$4.50.

Best of All Dwarfs—Pods long, very fleshy, succulent, stringless and rich in flavor; are produced early and abundantly; one of the most valuable green podded beans for market or family use. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.00; bushel, \$3.75.

Broad Windsor—Best English variety. Packet, 10c.; $\frac{1}{2}$ pint, 15c.; pint, 25c.; quart, 50c.

Dwarf Horticultural—A bush sort of the well-known pole variety of same name. Pkt, 10c.; pint, 25c.; quart, 45c.; peck, \$1; bus. \$3.50

FIELD VARIETIES.

White Kidney (ROYAL DWARF)—An excellent "shell bean," green or ripe. One of the best for winter use. Unsurpassed for *baked beans*. Beans long, large, white, kidney-shaped. Packet, 5c.; pint, 20c.; quart, 35c.; peck, 80c.; bushel, \$3.00.

Prolific Tree—Very prolific; only one bean should be planted in a hill. Small, white; one of the best dry beans for market purposes. Packet, 5c.; pint, 20c.; quart, 35c.; peck, 80c.; bushel, \$3.00.

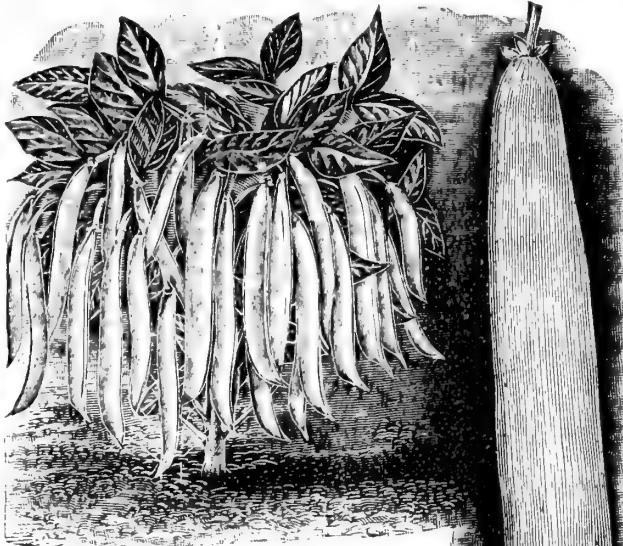
White Marrow—Extensively grown for sale as a dry bean. Excellent shelled, either green or dry. Packet, 5c.; pint, 20c.; quart, 35c.; peck, 80c.; bushel, \$3.00.

Improved Navy or Boston Pea Bean—Excellent variety; very productive; early; hardy; white pods, generally in clusters. A favorite for baking. Pkt., 5c.; pint, 20c.; quart, 35c.; peck, 80c.; bus. \$3.00.





RUST PROOF GOLDEN WAX BEAN



KEENEY'S RUSTLESS WAX BEAN.

DWARF WAX OR YELLOW POD VARIETIES.

OUR QUART AND PINT PRICES INCLUDE POSTAGE.

Rust Proof Golden Wax—One of the best strain of Golden Wax on the market. It is harder, much more prolific, holds its pods up well, is of better quality, and the pods are straighter, longer and thicker than the ordinary Golden Wax, and are *rust proof*. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1.25; bushel, \$4.

Crystal White Wax—Distinct and one of the best. Quick to mature, slow to harden, retaining their juicy, succulent flavor for days after they are ready to pull. The pods are ivory white, of good size round, and very fleshy. An attractive market sort. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.25; bushel, \$4.00.

Colden-Eyed Wax—Extremely early and vigorous growing very rapidly, and yields a great profusion of tender, succulent pods, of beautiful waxy appearance; its flavor is unexcelled. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1.00; bushel, \$3.50.

Scarlet Flageolet Wax—A very showy variety. As early as the Black Wax, and nearly always exempt from rust. The plants are large, erect, very productive; pods of extra large size. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1.25; bushel, \$4.75.

Violet Flageolet Wax ("PERFECTION WAX")—Plant large. Pods long, large, more twisted than the Scarlet, a little later and distinctly larger. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1.25; bushel, \$4.75.

Ferry's Colden Wax—Very early stringless bean of golden wax color, of excellent quality; well-known and extensively used by market gardeners. Packet, 10c.; pint, 20c.; quart, 35c.; peck, \$1.00; bushel, \$3.50.

White-Seeded Wax—Excellent snap bean; fine for shelling; seed pure white. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1.10; bushel, \$4.00.

NEW VALENTINE WAX—An improved Extra Early Valentine with round wax pods. Grows about 15 inches high, with a strong stalk and an abundance of foliage. One of the earliest Wax Beans in use. The pods are very meaty, and no other Bean has less string or less hard shell to the pod as long as it is suitable for cooking. Remarkably free from rust, and remains a long time without becoming tough. **Very productive.** Packet, 10c.; pint, 30c.; quart, 50c.; peck, \$1.50; bushel, \$5.50.

Black-Eyed Wax—One of the earliest in cultivation. Pods long and beautiful in color; very tender; fine flavor; very productive; vigorous grower. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1.10; bushel, \$4.

KEENEY'S RUSTLESS WAX—The Long Looked-for Bean, combining hardness and productivity with fine quality. A strong-growing bush variety of remarkable vigor and freedom from rust. It sends out short tendrils on which pods are formed in addition to those near the central stalk of the plant, which accounts for its wonderful productivity, amounting, under favorable conditions, to 100 to 150 fold. The pods are meaty and well filled, thick-flat when young, and semi-round later; of rich yellow color and fine quality, and *entirely stringless*, even when large enough to shell. If the pods are picked as fast as formed, the plant continues to furnish a bountiful supply for an unusually long season, and is practically everbearing until frost. Packet, 10c.; pint, 30c.; quart, 50c.; peck, \$1.50; bushel, \$5.50.

Challenge Dwarf Black Wax—A distinct sort, *fully one week earlier* than any other Wax Bean, while its vigor and productiveness leave nothing to be desired. The pods are large and of good color, grow uniform and well together; none better for first early crop. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1.10; bushel, \$4.00.

Prolific German Wax (Cylinder Pod)—An improved strain of Black Wax, having longer, whiter, and more fleshy pods; more productive. Packet, 10c.; pint, 25c.; quart, 35c.; peck, \$1.00; bushel, \$3.75.

German Black Wax—Early, stringless, pods round, waxy-yellow, solid and tender. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1; bushel, \$3.75.

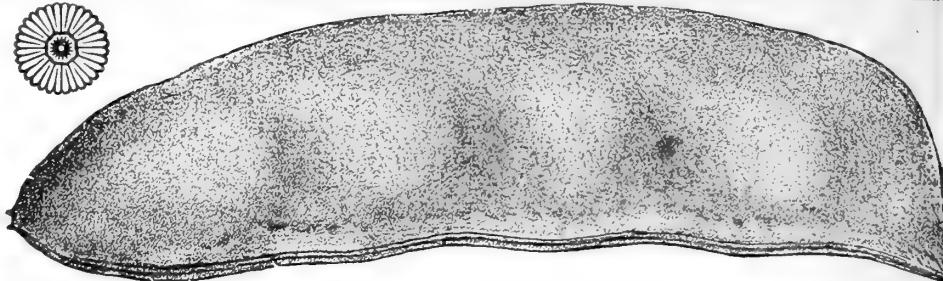
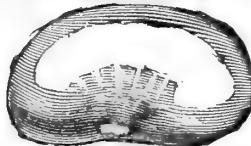
Wardwell's Kidney Wax—Vine of medium size, erect, hardy and productive. Pods long, broad, flat, and of a delicate waxy-yellow, and brittle. Beans large, kidney shaped, white, with dark markings about the eye. A first-class snap bean, and a good winter shell sort; as early as the common Golden Wax. Packet, 10c.; pint, 25c.; quart, 40c.; peck, \$1.10; bushel, \$1.00.

Yosemite Mammoth Wax—The monster pods of this new variety average 10 to 14 inches in length are nearly all solid pulp and absolutely stringless, cooking tender and delicious; rich golden yellow; a vigorous grower, covering the ground with its heavy foliage. A desirable variety. Packet, 10c.; pint, 30c.; quart, 50c.; peck, \$2.25; bushel, \$8.00.



NEW VALENTINE WAX BEAN.

Pole Beans.



POLE BEANS are more tender and require more care in culture than the dwarf or bush varieties, and should be sown two weeks later; they succeed best in sandy loam, which should be liberally enriched with manure. Form hills from three to four feet apart; plant five or six beans in a hill, about two inches deep, leaving space in the center for the pole. When the beans are well started they should be thinned to two or three plants in a hill. **One quart makes 100 to 200 hills, according to size of beans.** Eight to twelve quarts plant an acre.

POLE LIMA BEANS.

Lima beans will not grow until the weather and ground are warm, if planted before they are apt to rot in the ground.

Extra Early Jersey—The beans are nearly as large and equally as good as the late sorts, but two weeks earlier. Packet, 10c.; pint, 30c.; quart, 50c.; peck, \$1.75; bushel, \$6.75.

Dreer's Improved—Vines vigorous and productive; pods short, broad, straight and coarse; the beans are much thicker than the ordinary Limas. Pkt., 10c.; pint, 25c.; quart, 45c.; peck, \$1.75; bus., \$6.25.

Challenger Lima—Similar to but an improvement on Dreer's Improved; more prolific, pods and beans larger, of the same shape. It is early, and continues bearing its closely crowded clusters of pods until frost. Packet, 10c.; pint, 25c.; quart, 50c.; peck, \$1.75; bushel, \$6.25.

Ford's Mammoth-Podded—Pods are six to nine inches long, produced in large clusters, and containing from five to six pods each; of excellent quality for using either green or dry. Packet, 10c.; pint, 30c.; quart, 55c.; peck, \$2.50; bushel, \$9.00.

Large White—A general favorite for home use or market. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.50; bushel, \$5.50.

Small White—(CAROLINA SEWEE, OR SIEVA)—Resembles the Large Lima, but has smaller leaves and seeds. Is earlier and more hardy. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.50; bushel, \$5.75.

King of the Garden—A vigorous grower, bearing profusely, large pods varying in length from five to eight inches; beans large and of rich flavor. Packet, 10c.; pint, 30c.; quart, 55c.; peck, \$2.00; bushel, \$7.00.

Mammoth Kidney-Shaped—The beans are extra large and fine in every way. Packet, 10c.; pint, 30c.; qt., 55c.; pk., \$2.00; bus., \$7.

POLE OR RUNNING BEANS.

White Creaseback—An extremely early green pod bean which cannot be praised too highly. It is a good grower, vines small to medium, and exceedingly productive; the long pods are produced all over the vine in clusters of from four to twelve; perfectly round, with a crease in the back; stringless, very fleshy and of fine quality. Packet, 10c.; pint, 25c.; qt., 45c.; peck, \$1.50; bus., \$5.50.

Ciant Red Wax—Long, yellowish-white waxen pods, thick, fleshy, tender, fine flavored and keeps green a long time in fit condition for use. Pkt., 10c.; pint, 25c.; qt., 45c.; peck, \$2.00; bus., \$7.50.

White Dutch Case Knife—One of the earliest; a splendid green shell bean, also a fine dry bean for winter use; good for planting among corn. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.60; bushel, \$6.00.

Southern Prolific—A very prolific sort, popular in the South and good anywhere. Pods green, cylindrical, long, fleshy, crisp and excellent. Packet, 10c.; pint, 25c.; quart, 45c.; peck, \$1.50; bushel, \$5.50.

Yard Long, or Cuban Asparagus Bean—This is quite a curiosity. It is a pole bean, with dark green foliage, and pods growing two FEET AND UPWARD IN LENGTH. The pods of such extraordinary length are produced very abundantly. Packet, 10c.; pint, 35c.; quart, 60c.

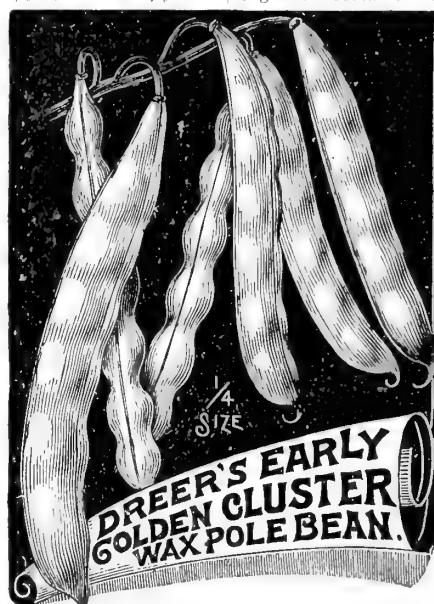
BROCCOLI.

French—*Chou Brocoli*. German—*Spargle Kohl*.

Sow thinly in seed beds about the middle of Spring, and transplant and cultivate the same as cabbage. Produces heads very nearly like Cauliflower, but more hardy.

Early Large White—Heads medium size, close, compact, and of creamy white color. One of the most certain to head. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Early Purple Cape—Differs in color. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.



OUR QUART AND PINT PRICES include postage.
If to go by Express, at buyer's expense, deduct 15 cents from the quart, or 8 cents from the pint prices below.

LARGE PACKETS.—Customers write us that our packets contain more seeds than others.

Powell's Prolific—A most rampant grower, one plant filling a pole with a mass of vines densely loaded with beans; almost a solid mass of pods from bottom to top of pole. Handsome green pods, averaging eight or nine beans to the pod, growing very uniform, about six inches long; perfectly stringless, very thick meatied, tender, rich and buttery; everbearing; very profitable for market gardeners. Packet, 10c.; pint, 30c.; quart, 50c.; peck, \$2.00; bushel, \$7.00.

Lazy Wife's—The pods grow from six to eight inches long, entirely stringless, of a rich, buttery flavor when cooked. Pods retain their tender, rich flavor until nearly ripe; a good white shell bean for winter use. Packet, 10c.; pint, 30c.; quart, 55c.; peck, \$2.00; bushel, \$7.50.

Horticultural, or Speckled Cranberry—the old "Bird Egg" Bean—Round, speckled; tender for snap beans: not excelled for shelling and succotash. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.50; bus., \$5.00.

Kentucky Wonder—A very prolific sort, bearing its pods in large clusters; pods green, often reaching nine or ten inches, nearly round when young, and very crisp. Packet, 10c.; pint, 30c.; quart, 55c.; peck, \$1.50; bushel, \$5.50.

Red Speckled Cut-Short, or Corn Hill—An old variety very popular for planting among corn, and will give a good crop without poles; vines medium, not twining tightly; pods short, round and tender. Packet, 10c.; pint, 30c.; qt., 50c.; peck, 2.00; bus., \$7.00.

White Dutch Runner—Has large, white seed and beautiful clusters of white flowers; good green shell bean. Packet, 10c.; pint, 25c.; quart, 45c.

Scarlet Runner—This favorite climber produces clusters of beautiful scarlet flowers; grown principally for ornament but can be used as a green shell bean. Packet, 10c.; pint, 25c.; quart, 45c.

Golden Champion Wax—THE EARLIEST and one of the best wax pole beans. The pods are long, cylindrical, very fleshy, stringless, bright golden yellow, and borne in clusters; productive and of extra fine quality. Packet, 10c.; pint, 30c.; quart, 55c.; peck, \$2.00; bushel, \$7.50.

Early Golden Cluster Wax—Although it begins to bear early it continues until frost. Every one is surprised at their beautiful appearance and productiveness. Pods from six to eight inches long and borne in clusters of from three to six, and are most freely produced; stringless, very tender, and of delicious flavor; very profitable to grow for market. Packet, 10c.; pint, 25c.; quart, 50c.; peck, \$1.75; bushel, \$6.50.

KEEP IN MIND
THAT OUR PRICES
INCLUDE POSTAGE.

BRUSSELS SPROUTS.

French—*Chou de Bruxelles*. German—*Sprossen Kohl*.

This is one of the most delicious of all vegetables, and of easy growth, but is not so well known in America as it deserves. Produces on the stem small heads resembling miniature cabbages. The sprouts are as green as beans and become very tender when touched by the frost. Sow in May and manage as winter cabbage. In the fall the leaves should be broken down so that the little cabbages will have more room to grow.

Best Improved Dwarf—Produces compact sprouts of finest quality; a good keeper. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

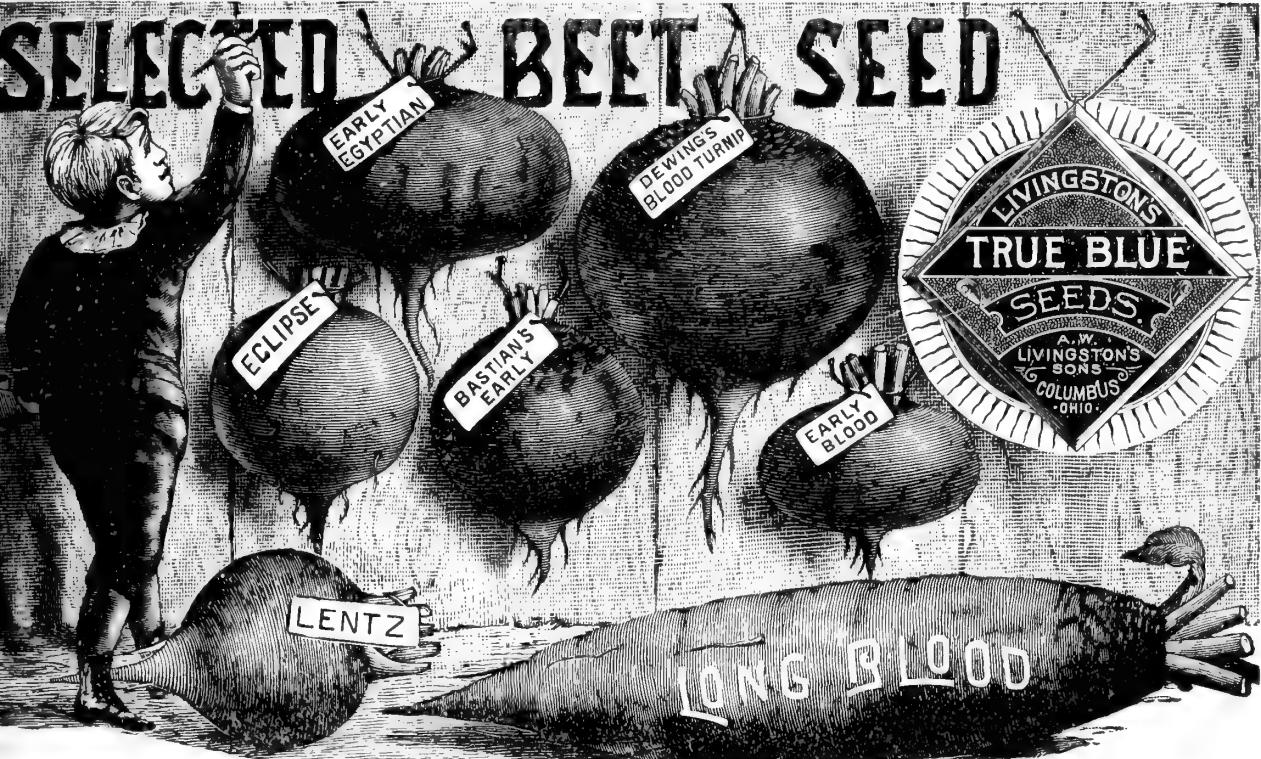


TABLE BEETS.

not-beds and transplant; but for main crop sow in the spring as soon as the ground becomes fit to work, in drills eighteen inches apart and two inches deep. For winter use the turnip varieties may be sown as late as June. When plants have attained three or four inches, thin out so that they stand five or six inches apart. Keep free from weeds by frequent hoeing and hand weeding, if necessary. Before freezing weather sets in, the roots may be stored in cellars or pits, as potatoes; dry earth thrown over them before the straw and earth covering is put on insures their keeping over winter. Be very careful not to bruise them in handling.

French—*Betterave*. German—*Runkel-Rübe*. Spanish—*Beterraga*. The soil best suited for the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. It wanted very early, sow in

One ounce of seed to 50 feet of drill; 5 to 6 pounds to the acre.

PRICES INCLUDE POSTAGE PREPAID BY U.S.

CROSBY'S IMPROVED EGYPTIAN Our Leader.

Extra Early—A very superior strain of blood red Egyptian, carefully selected for years by Mr. Crosby, a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few, small tops, very small tap root, fine quality, and above all, quick, rapid growth. The shape is very desirable, not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to



CROSBY'S IMPROVED EGYPTIAN BEET.

Early Egyptian—Very early, dark blood-red, of medium size, tender and sweet; used for forcing. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Edmonds Turnip—Deep red; good size; smooth; small top; very early and decidedly popular. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Lentz—Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

Bastian's Early Blood Turnip—Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Early Flat Red Bassano—Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

DEWING'S IMPROVED BLOOD TURNIP.

The best main crop variety. Roots are smooth and handsome, good size, tender and sweet. A great favorite with marketmen. Our stock is grown from *Selected Beets* and is unexcelled by any in the country. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Arlington Favorite—A new Beet, which for form, flavor, deep blood-red color of the flesh, small foliage, and general market garden cultivation cannot be excelled, if equalled, by any other. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

Globe and Half long varieties, which require longer time to grow to presentable market shape. This is a decided advantage to those who force for real early market, and especially for a market where beets are sold in bunches. Once used it is preferred to all others for forcing in frames or for first sowing outside. We have made a very fine selection of this stock for years, and many of our market gardeners place their orders (5 to 25 pounds) several months ahead, so as to be sure of it at planting time. It is a very good variety for family use. Being a rapid grower it may be sown outside as late as July. Pkt., 10c.; oz., 15c.; 1/4 lb., 35c.; lb., \$1.00.

DETROIT DARK RED.

One of the very best, red turnip shaped varieties; has small, upright growing tops, splendid shape, and in color of skin is dark blood red, and flesh deep bright red. Very crisp, tender and sweet; matures early, holds a long time in condition for use, and produces a very uniform crop in shape. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

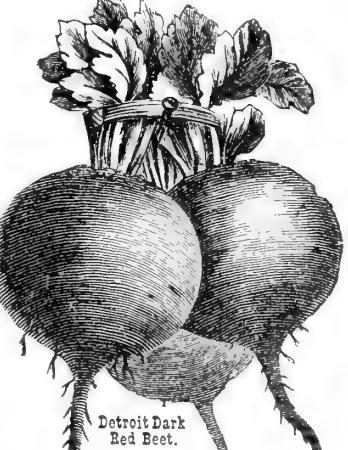
Stinson's Dark Turnip—An excellent variety, very early, and a great favorite in eastern markets; small tops, rich color, cooks dark blood red. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 85c.

Eclipse—Very early, handsome, smooth, dark, globe-shaped beet; small top; very desirable quality. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Early Blood Turnip—Old standby. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Mitchell's Blood Turnip—Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

Dark Blood Red—Good keeper and grown mostly for winter use. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.



Detroit Dark Red Beet.

BEETS

For Feeding Stock.

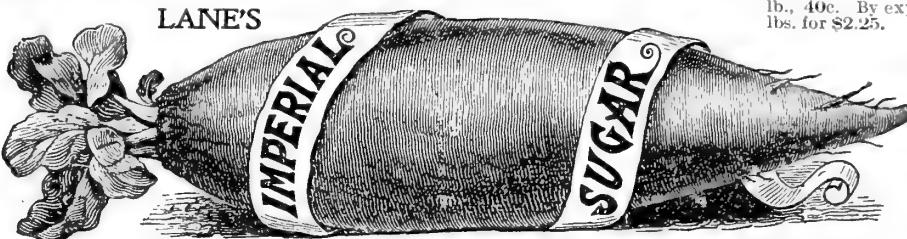
MANGEL WURZELS for stock feeding cannot be overestimated. The results from their use are wonderful, as is clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a very trifling cost, and yield immense crops per acre, if the soil is rich—you can hardly get it too rich—they make a heavy growth and the rows should be at least two feet apart, and if large quantities are grown it is best to have the rows wide enough apart to use a horse in cultivating.

Five or six pounds of seed required per acre.

GOLDEN TANKARD—The best Yellow Mangel in cultivation—Flesh bright yellow, and in this respect differs from all other varieties which cut white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. By express—Lb., 30c.; 5 lbs., \$1.25; 10 lbs. for \$2.25.

Golden Giant Intermediate (Yellow Leviathan Mammoth Yellow)—Beautiful russet-yellow color; remarkably even in shape; smooth skin; the flesh is white, firm and sweet. Produces enormous crops and is an excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 45c. By express—Lb., 35c.; 5 lbs. for \$1.50.

LANE'S



LANE'S IMPROVED IMPERIAL—An American variety, and well liked for stock-feeding. It is not so sweet as the French Sugar Beets grown especially for sugar making, but the roots are larger and more symmetrical, of fine grain and very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 45. By express—Lb., 35c.; 5 lbs. for \$1.30; 10 lbs. for \$2.75.

French Red Top—Extensively grown in France. Ripens early, and yields large returns in sugar per acre; heavy cropper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. By express—Lb., 30c.; 5 lbs. for \$1.25.

Cauliflower.

German—*Blumen Kohl*. French—*Choufleur*. Spanish—*Coliflor*.

No Seed is more important than Cauliflower. Price should not be considered.

The culture of Cauliflower is similar to Cabbage. It delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow seed in the hot-bed in January or February, and transplant the plants two or three inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which in this latitude is usually from the 15th of March to the 10th of April. Set the plants two feet by fifteen inches apart. If properly hardened off they are seldom injured by being planted out too early. When heading tie the outside leaves loosely over the head to protect it from the sun. Cauliflower should be kept growing constantly, as it may be injured by a check at any period of growth.

One ounce of seed gives 1,500 to 2,000 plants.

LIVINGSTON'S

(Select Stock.) **EARLIEST.**

The best of all for forcing under glass, a compact grower, extremely early, sure heading, heads large, solid, and as white as snow. Gardeners who have tested this fine stock invariably pronounce it the most profitable variety for either early or late planting. In short, it is an excellent all-seasons Cauliflower. Price, under our True Blue Seal—Packet, 25c.; $\frac{1}{4}$ oz., \$1.00; oz., \$3.75; $\frac{1}{4}$ lb., \$14.00; lb., \$45.00.



Champion Yellow, or Orange Globe—Very productive, easily pulled, and an excellent keeper; spherical in shape; orange-yellow. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. By express—Lb., 30c.; 5 lbs., \$1.25.

Red Globe—Similar to Yellow Globe, except in color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. By express—Lb., 30c.; 5 lbs., for \$1.25.

MAMMOTH LONG RED, also called **Norbitan Giant, Jumbo Mangel, Colossal, etc.**—A large and well-formed variety; blood-red color; exceedingly nutritious. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. By express—Lb., 30c.; 5 lbs. for \$1.25; 10 lbs. for \$2.25.

SUGAR BEETS.

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality, containing a large amount of saccharine matter. Thousands of acres are planted with Sugar Beets for the manufacture of sugar. They are excellent for feeding cows, improving wonderfully the quantity and also the quality of the milk.

Vilmorin's Imperial—A medium sized white sugar beet, brought by the most careful selection to the highest perfection, both in shape, size and color of roots. Greatly esteemed by sugar manufacturers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c. By express—Lb., 40c.; 5 lbs. for \$1.75; 10 lbs. for \$3.25.

Swiss Chard—Silver or Sea Kale Beet—Cultivated for its leaves. The mid-rib is stewed and served as asparagus, other portions of the leaf being used as spinach. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Large Late Algiers—A splendid late variety; popular with canners and market gardeners. Seldom fails to produce large, white heads. Pkt., 5c.; $\frac{1}{2}$ oz., 40c.; oz., 75c.; $\frac{1}{4}$ lb., \$2.00; lb., \$7.75.

Half Early Paris, or Nonpareil—Heads large, white and compact; good for either early or late use. Pkt., 5c.; $\frac{1}{4}$ oz., 20c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

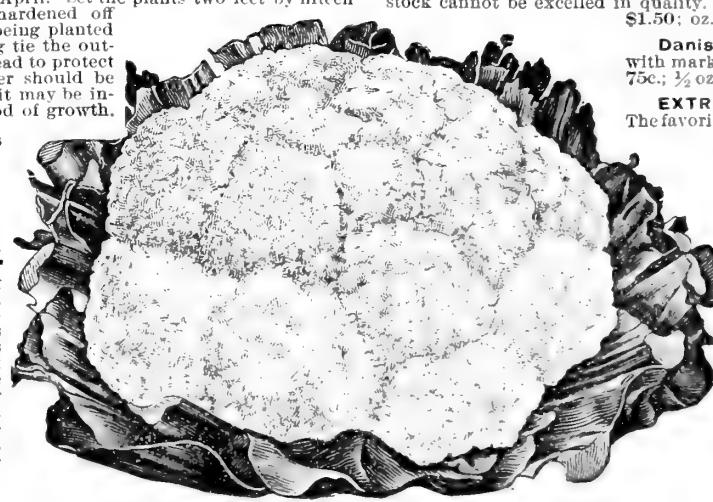
Lenormand's Short-Stemmed—Large, late, short-stemmed variety, producing well-formed heads of excellent quality. Pkt., 5c.; $\frac{1}{2}$ oz., 35c.; oz., 60c.; $\frac{1}{4}$ lb., \$1.75; lb., \$7.00.

HENDERSON'S EARLY SNOWBALL—One of the best types of Cauliflower on the market. If planted March 1st, large heads will be produced early in June, and scarcely a single head will fail to form. The outer leaves are short, so that the plants may be set from 18 to 20 inches apart. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting. Our stock cannot be excelled in quality. Pkt., 25c.; $\frac{1}{4}$ oz., 75c.; $\frac{1}{2}$ oz., \$1.50; oz., \$2.75; $\frac{1}{4}$ lb., \$9.00; lb., \$32.00.

Danish Snowball—Growing in favor with market gardeners. Pkt., 20c.; $\frac{1}{4}$ oz., 75c.; $\frac{1}{2}$ oz., \$1.35; oz., \$2.40.

EXTRA EARLY DWARF ERFURT—The favorite German variety. Dwarf habit, compact growth, short outside leaves; can be planted 20 inches apart. *A sure header.* Pkt., 15c.; $\frac{1}{2}$ oz., 65c.; $\frac{1}{2}$ oz., \$1.30; oz., \$2.50; $\frac{1}{4}$ lb., \$8.00; lb., \$30.00.

Veitch's Autumn Giant—The heads are beautifully white, large, firm and compact, and being thoroughly protected by the foliage, remain longer fit for use. Pkt., 5c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.75.



LIVINGSTON'S EARLIEST CAULIFLOWER—FINEST IN THE WORLD.

Mrs. George Berner, Howe Cave, N. Y., August 23, '96, writes: "Every seed I ever bought of you came true to name. Am well pleased with everything."



Cabbage.

French—*Choux Poêmes*.
German—*Knif Kohl*.
Spanish—*Repollo*.

Cabbage requires deep, rich, mellow soil, high manuring and good culture, in order to obtain fine, solid heads. For early use sow seeds of the early kinds in the hot-bed or in a box in the house, the last of January or early in February, and transplant them in the open ground in April, in rows two feet apart and eighteen inches between the plants in the row; or sow a bed of seed outside as soon as the soil can be worked, if you do not care for real early cabbage. These may be transplanted in about four weeks. For second early cabbage sow in April and transplant in May. For late cabbage sow in May and transplant in July, in rows three feet apart and two feet between the plants in the row. In transplanting cabbage or cauliflower it is important that plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir the ground deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting of cabbage go frequently over the ground and start every cabbage that appears to be about to mature, by pushing them sideways, which breaks some of the roots and checks its growth. To prevent the attacks of cabbage fly on small plants, dust thoroughly with plaster, air-slaked lime, or use wood ashes, freely over the young plants. For the cabbage worm try "Slug Shot." (See Insect Destroyers in back part of this catalogue.) **One ounce of seed produces about 500 plants. Four ounces grow enough plants to set an acre.**

ALL-HEAD EARLY (True Burpee's)—A thoroughbred sort, on account of its remarkably uniform size and shape, and its reliability in heading. The deep flat heads are solid and uniform in color as well as in shape and size. The main feature of a good cabbage is *tenderness*, and in this respect it is unsurpassed for winter use. Seed sown in July, and the plants set out about the middle of August, will bring heads large and solid, which are sure to winter well. By reason of its compact growth and absence of loose leaves, fully one thousand more heads can be obtained to the acre than of most other varieties of good size. Set the plants eighteen inches apart in rows, with three feet between the rows and 9,650 plants can be set on an acre, ninety-five per cent. of which, in an ordinary season, and with reasonable cultivation, will make good merchantable heads. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; 1 oz., 30c.; 1 lb., 50c.; 1 lb., \$1.50.



ALL HEAD EARLY CABBAGE.

HENDERSON'S EARLY SUMMER—Selected Stock—Is about ten days later than the Wakefield, but being fully double the size, it may be classed as decidedly the best large early cabbage, and is deservedly popular with market gardeners. In weight it is equal to most of the late varieties, and its short outer leaves allow it to be planted nearly as close as the Wakefield. It keeps longer without bursting open after heading than any variety we know of. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; 1 lb., \$2.25.

HENDERSON'S Succession—About one week later than the Early Summer, but nearly double the size; while it can be planted nearly as close, its outer leaves being unusually short. One of its characteristics is the fact that **it is always sure to head**. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; 1 lb., \$1.75.

EARLY JERSEY WAKEFIELD—Selected Stock—Many market gardeners consider this the *very best early cabbage* in cultivation. It is certainly deserving of its great popularity, and is grown extensively for market and shipping. Its merits are many, among which may be mentioned its large size head for an early sort, small outside foliage, and its uniformity in producing crop. The heads are pyramidal in shape, having a blunted or rounded peak. This is the sort mostly used for wintering over in cold frames. *The seed we offer is first-class, and is sure to give satisfaction.* Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; 1 lb., \$2.50.

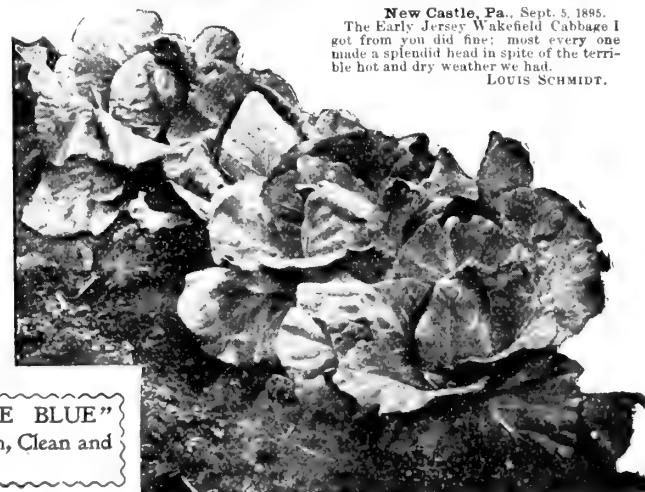
LARGE WAKEFIELD, or Charleston Wakefield—A selection from Early Jersey Wakefield, only it is about a week later than that popular early variety, but grows much larger; heads often averaging 15 to 18 lbs., as solid as Winningsstadt and exceeding it as a sure header and in earliness. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; 1 lb., \$2.25.

EXTRA EARLY EXPRESS—*The Earliest Cabbage in the World*—While not as large as Jersey Wakefield, it is several days earlier, and for a *first early* variety cannot be excelled. It resembles the Etampes in character and appearance, having solid, compact heads of conical form, of yellowish green color; very dwarf and uniform; desirable as a quick forcing sort. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; 1 lb., \$1.40.

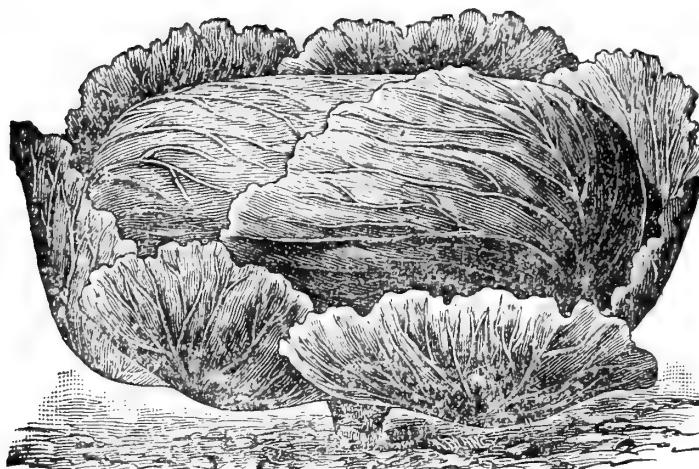
Very Early Etampes—The earliest of all Cabbages except Express. Heads oblong, rounded at top, solid and firm, medium size, very fine quality. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; 1 lb., \$1.40.

New Castle, Pa., Sept. 5, 1885.
The Early Jersey Wakefield Cabbage I got from you did fine; most every one made a splendid head in spite of the terrible hot and dry weather we had.

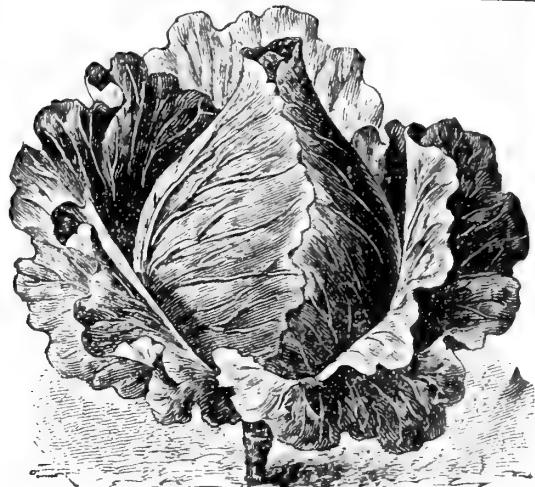
LOUIS SCHMIDT.



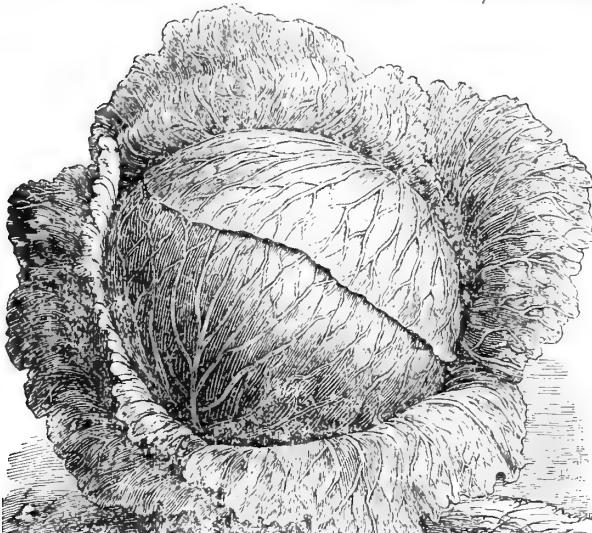
EXTRA EARLY JERSEY WAKEFIELD CABBAGE.



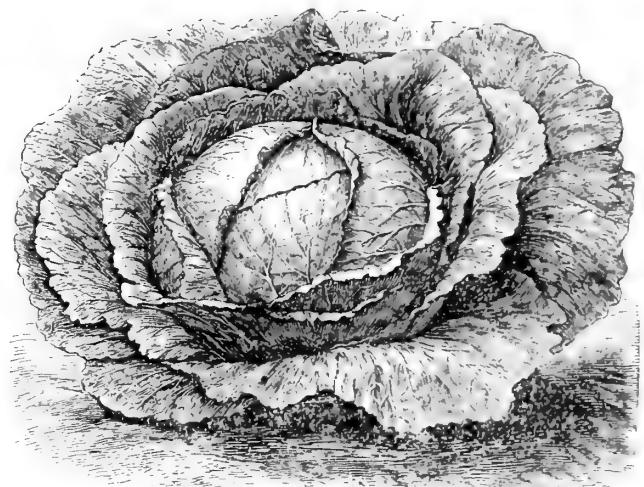
LIVINGSTON'S PREMIUM FLAT DUTCH CABBAGE.



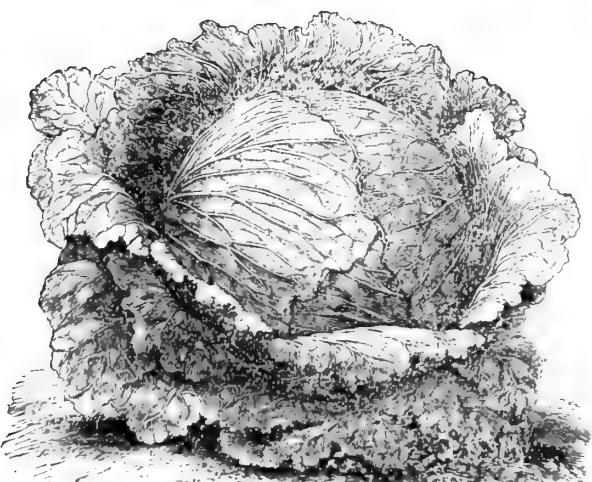
EARLY WINNINGSTALL CABBAGE.



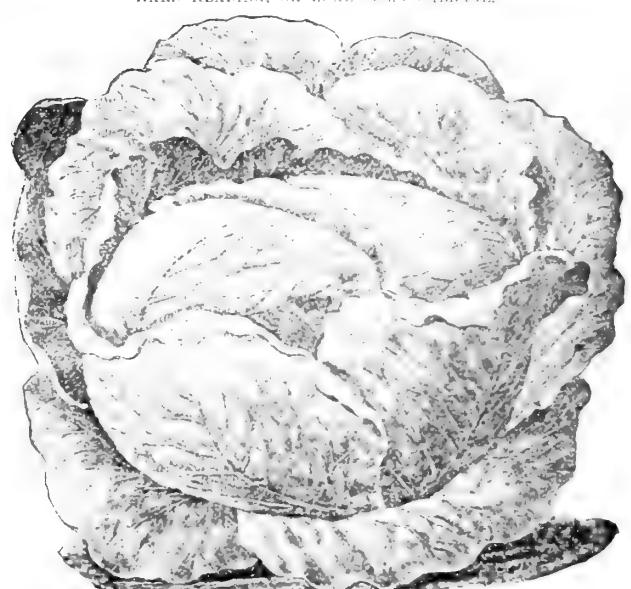
BURPEE'S SURFHEAD CABBAGE.



HARD HEADING, OR LÜNENBURG CABBAGE.



CHASE'S EXCELSIOR CABBAGE.



NEW LUPTON CABBAGE.

LIVINGSTON'S PREMIUM FLAT DUTCH CABBAGE

Over ten years ago we set out to build up a strain of Large Late Flat Dutch Cabbage that would be better than any other on the market. We are strongly convinced that we now have it in our **Select Premium Flat Dutch**. Our purpose has been to weed out every objectional point, and to fix firmly every good quality. It produces many tons to the acre, because of its solidity and compact, snug manner of growth. Unlike most large sorts, it is solid to the heart. Seeds having been *grown always from heads* (not from stalks after the heads were taken off) fully developed and perfect in every respect, this strain has a most vigorous constitution. For the winter market it has no superior. Heads are large and very solid; they open white, crisp and tender, and with good cultivation is sure to head. Grown largely by marketmen on account of its good shipping qualities. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75; 2 lbs., \$5.00, *postpaid*.

Early Winningstadt—*The Old Standby*—Well-known and very popular everywhere; in season very close to the Wakefield. Heads large, decidedly conical, leaves bright, glossy green; heads solid and hard, even in summer. This is a very sure heading variety, valuable not only for early use but also for winter cabbage. As near **worm proof** as any cabbage in the list. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

Chase's Excelsior—*An All-the-Year-Round Variety*—We have made a specialty of this Cabbage for many years. It is a medium early variety, following Early Summer, but with heads almost double the size. It can be planted as a second crop twenty days later than the Flat Dutch, and still mature almost as many pounds to the acre. It is very uniform in type, sure to head, and is exceedingly solid. Few varieties produce so many well formed, large, solid heads from the same number of plants. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Burpee's Sure Head—Is a very reliable header, large, round, flattened heads of the Flat Dutch type; a good keeper and shipper; exceedingly popular. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Early Louisville Drumhead—A favorite about Cincinnati and Louisville, where it has been grown for more than forty years. Heads very large and solid; a sure header; will stand, without bursting, almost the entire summer. For winter use, sow late in the season. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

All Seasons—A greatly improved strain of Early Flat Dutch. Heads very large, round, solid and of fine quality, keeping as well as the winter sorts. Plants very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. *One of the very best sorts for general cultivation, and none better for late planting.* Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Filderkraut—A solid and sure heading German variety. Heads pointed conical; resembles the Winningstadt, but is larger and more pointed. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Gregory's Cannon Ball—One of the best early sorts. The heads are round, hard, solid and heavy. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Marblehead Mammoth—Largest cabbage in the world. Pkt. 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

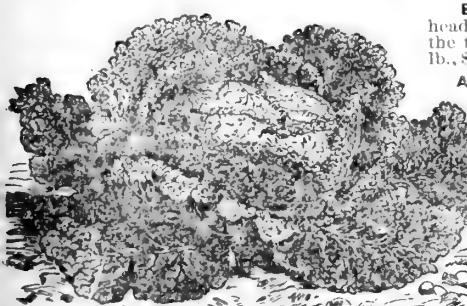
SAVOY CABBAGE.

The Savoy or Curly Cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost, it is one of the most delicious of all vegetables.

Early Paris Savoy—The best early Savoy. The heads are firm, solid, beautifully crimped, and of the finest quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

American Drumhead Savoy—A late Savoy and far superior to the ordinary *imported* Drumhead Savoy. Heads large and very finely curled; short stalk and compact grower; excellent keeper. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Marvin's Large Savoy—This distinct and most excellent variety originated with a Long Island trucker, and is the finest of the Savoy class. It is very uniform, solid, very curly and a sure header (ninety to ninety-five percent). Its flavor is unsurpassed by any late cabbage. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.



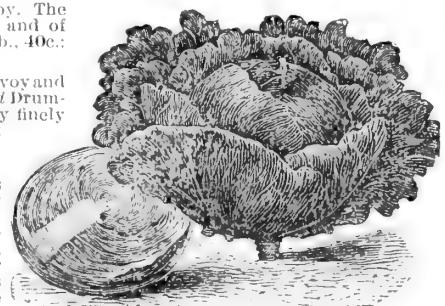
CURLED SAVOY CABBAGE.

RED CABBAGE.

Extra Early Blood Red Erfurt—The earliest and redest of all reds. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Red Drumhead—Heads large, rounded in shape, hard, and very deeply colored at the heart. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Mammoth Rock Red—Heads as large as the Flat Dutch, deep red to the center; highly recommended. Hard as a rock. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



RED, OR PICKLING CABBAGE.

Superior Celery Seed.



CELERY.

German—*Sellerie*. French—*Celeri*. Spanish—*Apis*.

CELERY CULTURE—Celery can be successfully grown with but little labor, in any good garden soil, if plenty of well-rotted manure or high-grade fertilizer is used. It delights, however, in low, moist, rich bottom land, or well-drained muck soil. It is usually grown as a second crop.

Growing the Plants—It is not necessary to sow the seed in a hot-bed or cold frame, as it is apt to run to seed if started too early, but sow in the open ground as soon as it is fit to work in April. Sow in rows so that it can be kept free from weeds. Prepare the soil well and cover the seed very lightly, also keep very moist until the seed germinates. After coming up the plants should be partially shaded for a week or ten days, and see that the soil does not get too dry. When two inches high thin and transplant to three inches apart. To insure good "stocky" plants, the tops should be cut back when about four inches high.

Transplanting—The evening is the best time, and especially if after a shower; otherwise give them a good watering and you will lose but very few plants. Remember that it is essential that the soil be pressed firmly about each plant when set out, especially if done in a dry time; the old method of setting in *deep* trenches is a thing of the past. Some of our most successful growers set on the level surface, while others prefer a broad, *shallow* trench, only three or four inches deep. These trenches should be at least three feet apart for the dwarf, and not less than four feet for the larger sorts; set plants in single rows, not over six inches apart in the trench. Transplanting is done about the middle of June for the first early, and as late as the middle of August for the latest. Keep well cultivated, and in about six weeks "handling" should begin (never do this when wet from rain or dew). This is done to make the celery grow upright. The soil is drawn to the row from each side with an ordinary hoe. Now take all the leaves of the plant in one hand and with the other draw the soil around it, pressing firmly, being careful that no soil gets between the leaves, as it is apt to cause rust, or rot the plant. In about two weeks, or as often as is necessary to keep the leaves in this upright position, more soil should be drawn to the row.

One ounce of seed produces about 2,000 plants.

For fuller details on growing, storing and marketing celery, send for the *latest, best and most complete work* ever written on the subject—“**Celery Growing and Marketing a Success**”—handsomely bound in cloth and fully illustrated, published by one of the largest and best growers of high grade celery in Michigan; 50c. *postpaid*, or it will be sent free to any one purchasing \$5.00 worth of Celery Seed at prices here quoted.

NEW PINK PLUME CELERY—See Novelty List.

COLDEN SELF-BLANCHING—It is quite as self-blanching as White Plume, and simply needs a slight earthing up. The entire plant is of an attractive yellowish-green color, and as it approaches maturity the inner stems and leaves become a beautiful waxy golden color. It grows to good size, is very tender, crisp and solid, and when well grown is of excellent quality and very beautiful. Invaluable to the gardener and exceedingly popular with every planter. An excellent sort for early planting and a good keeper. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

NEW ROSE—The red and pink celeries have been deservedly gaining in popular favor for several years past, because they are harder and better keepers than the yellow and white sorts, because of their superior flavor and crispness. This new sort is the best of all pinks, and combines with the above fine qualities a handsome appearance which renders it an attractive ornament to the dinner table, the heart and stem being shaded to a fine rose color, entirely free from stringiness, keeps well, and is a good one for late use. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

GIANT PASCAL—Developed from the Golden Self-Blanching, it retains the beautiful color, the thick, solid, crisp stalks, and the incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks, equal in length to the best grown White Plume, *never in the least stringy*. It is unequalled for rich nutty flavor, absolutely free from any bitter taste. Blanches very easily, and “brilliant as a pipe stem.” The quickness and ease with which it is bleached is remarkable, as only earth enough to hold it in an upright position is required. A fine keeper, an excellent shipper, retaining color and fresh appearance as long as any other. For mid-winter and early spring it is excellent. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

DWARF GOLDEN HEART—A distinct variety of sturdy dwarf habit. It is solid, an excellent keeper, and of fine, nutty flavor. When blanched, the heart, which is large and full, is of a light yellow, making it an exceedingly showy and desirable variety for either market or private use. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

GIANT GOLDEN HEART—Produced by careful selection and high culture from the Dwarf Golden Heart, by one of the best celery growers in this country. In quality, appearance and *large size* it is unsurpassed. We recommend it as one of the best late varieties for the market gardener, while its fine flavor and rich color make it very desirable for private use. It is very hardy and held in high esteem among gardeners everywhere. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Mrs. Mary Love, Independence, Iowa: 1-15-96—We have used your seeds for twenty years, and have tried several other firms, but LIVINGSTON'S comes out ahead every time in Kansas and Iowa.

High Grade Celery Seed has been a Specialty with us for many years.

WHITE PLUME CELERY.

It is Early, Handsome, of Good Flavor and Fine Texture. The Most Profitable and More Largely Grown than All Other Varieties Combined.

It is almost self-blanching; naturally its stalk and portion of its inner leaves and heart are so white that by closing the stalks, either by tying or simply drawing the soil up against the plant and pressing it together, the work of blanching is completed. In appearance it is very ornamental. It is unsurpassed for fall and early winter use. It is a good keeper up to the holiday season. But for later use we would advise growing some of the more hardy kinds offered in this list. We have made a specialty of WHITE PLUME ever since its introduction, and are supplying many of the largest growers throughout the country. *We know our seed of this variety is not excelled in quality and purity.*

SELECTED WHITE PLUME—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Kalamazoo—The most perfect type of Dwarf White Celery known. It is perfectly distinct, and is of a beautiful cream-white color, attains a very large size; is of quick growth; stiff, close habit, the outer ribs standing straight and perfect; a very solid, crisp-eating and delicious variety. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Boston Market—For many years the most popular sort in the markets of Boston. It is a vigorous grower, and very branching; an excellent keeper, and is remarkably tender, crisp and solid. The best variety for light soils. A late keeper. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Early Arlington—An extra early variety of Boston Market, somewhat larger free from blight, and not inclined to run to seed; blanches easily, and is a strong grower. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Crawford's Half Dwarf—When blanched it is of rather a yellowish-white, and is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Perfection Heartwell—Similar to Crawford's Half Dwarf, but taller and a little later in maturing. The stalks are medium sized, round, very solid, crisp and tender. A favorite with many. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Giant White Solid—Fine, large size, tall and of stiff growth. Blanches white and crisp. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Large Red Solid—Dark crimson, unusually solid. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.90.

Dwarf White Solid—Dwarf white, of stiff, close habit; solid, crisp and juicy. Said to keep in good order later in the season than any other variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Flavoring Celery (Old Seed)—Used for flavoring soups, pickles, etc. *Postpaid*—Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. *By Express* (at buyer's expense)—lb., 30c.; 4 lbs., \$1.00.

CELERY PLANTS—Ready about June first. Apply for our vegetable plant list, which is mailed free as soon as issued in mid-summer. *Write us for prices no matter whether you want 100 or 100,000 plants.*

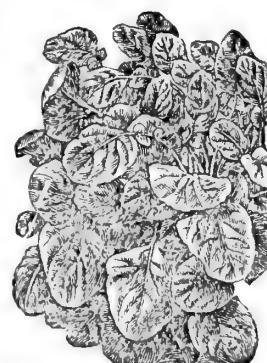
CRESS or PEPPER GRASS.

A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up succession, as it soon runs to seed.

Curled Carden—Very fine, may be cut two or three times. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Upland Cress—It is a hardy perennial, stays green nearly the whole year, and is ready for use before any other salad in the spring. Eaten like Lettuce or boiled like Spinach. It has the highly prized flavor of the Water Cress. Sow in April in rows one foot apart. Pkt., 10c.; $\frac{1}{2}$ oz., 75c.; oz., \$1.40.

Water Cress—This is a well-known hardy perennial aquatic plant, sold in immense quantities in our markets in spring. It is easily grown by planting along margins of ponds and streams, where it increases both by spreading of the roots and by seeding. It has a particularly pleasant, pungent taste. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.



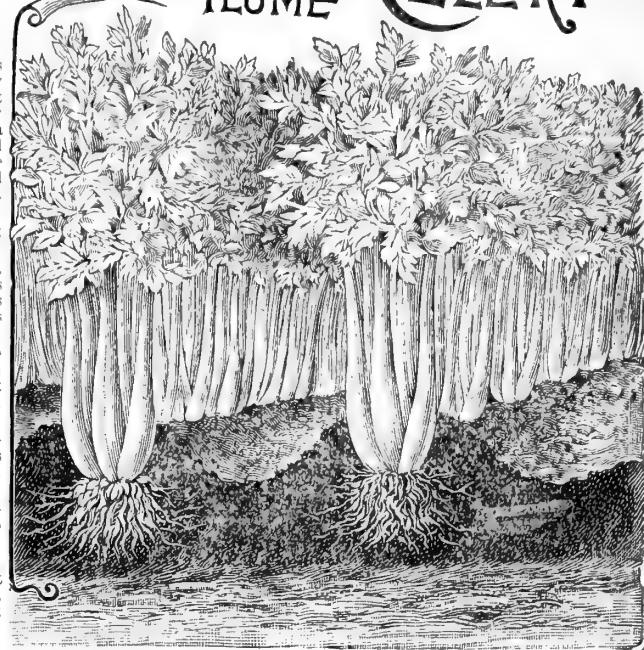
WATER CRESS.

.....GOOD WORDS FOR LIVINGSTON'S CELERY SEEDS.....

16 INCHES IN 52 DAYS.

H. C. Drake, Constantine, Mich., September 6, 1895, writes: "The Celery is excellent; I never had the success with any other that I have had with the seed purchased of you. Celery matured sixteen inches long, blanched to the tips in fifty-two days from planting."

WHITE PLUME CELERY



CELERIAC—Turnip-Rooted Celery.

Sow the seed in the same way that celery seed is sown. Transplant in rows two feet apart and nine inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as a salad.

Apple-Shaped—An early, smooth variety; the roots are shaped like an apple, of good flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

Giant Smooth Prague—A very large and smooth variety, free from side roots. A desirable sort for market and an excellent keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

CORN SALAD or FETTICUS.

German—*Lamersalat*.

French—*Mache*.

A vegetable used as a salad. It is sown on the first opening of spring in rows one foot apart, and is fit for use in six or eight weeks from sowing. If wanted in early spring, sow in September, cover with straw or hay as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or shutters and used any time during the winter. **LARGE LEAVED**—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

CHICORY.

Large Rooted—Used to mix with or as a substitute for coffee. Culture the same as for Carrot. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

COLLARDS.

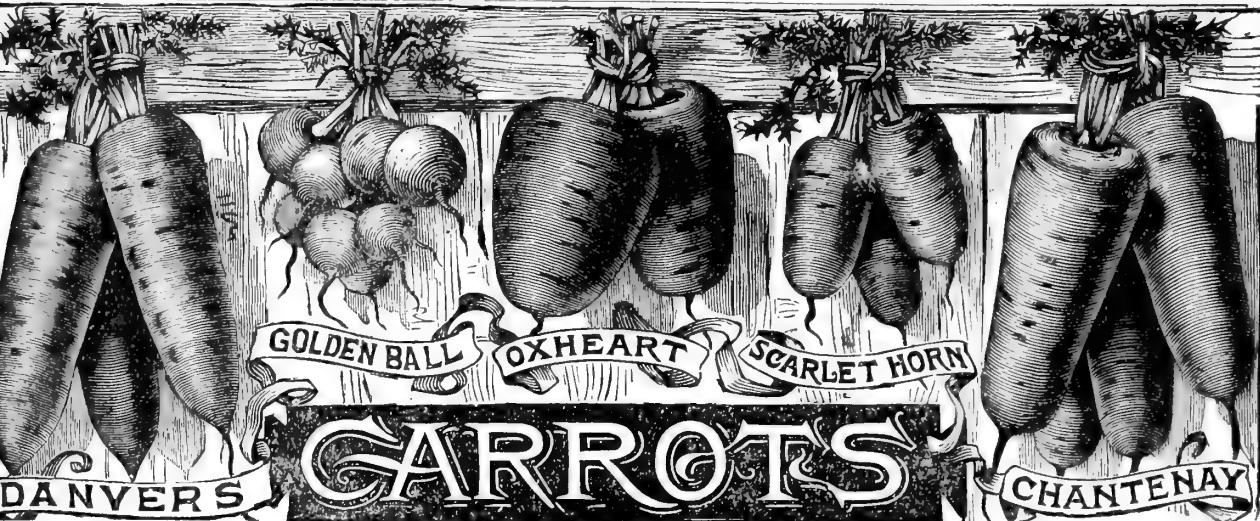
A plant of the cabbage family. It is well adapted to the South, enduring extreme heat; very popular; excellent for greens.

True Southern—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

P. H. Shafer, Ocala, Fla., March 19, 1896, writes: "I have tried all kinds of Celery and find the WHITE PLUME and PERLE LE GRAND Celery Seed I get from you are first."

10 CENTS MORE PER DOZEN.

J. P. Dunn, Bonner's Ferry, Idaho, August 15, 1896, writes: "I have been growing Celery for four years, and have grown all kinds, and grown what they called WHITE PLUME, but never saw any as fine as yours. I am marketing now and it is no trouble to get 10 cents more on the dozen."



French—Carotte.

German—Morchen.

Spanish—Zanahoria.

THE CARROT, like other root crops flourishes best in a well-enriched sandy soil, deeply tilled, and if plowed the fall before all the better. Should be sown in early spring in drills from 15 to 18 inches apart, finally thinning plants to about three or four inches apart in the drill; keep clean by frequent hoeing and weeding. If neglected the young plants are easily smothered, and your crop is lost. The seed is slow to germinate, and if sown early or on moist soil half an inch is deep enough to cover the seed. **One ounce sows 150 feet of row. Four pounds will sow an acre.**

Very Early Scarlet or Golden Ball—Also called **Earliest Short Horn**—This is the earliest Carrot in cultivation, and is used almost exclusively for forcing. Small tops and tap root, round as a turnip; small size; very rich orange color. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

Early Scarlet Short Horn—Stump-rooted; second in size; one of the most popular for forcing and early outside sowing. Flesh deep orange, fine grained; agreeable flavor; top small. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

Nantes Early Long Scarlet—Improved stump-rooted. Horn, large, sweet, fine flavored, almost without a core; very fine grained; excellent for home garden and market. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

Chantenay—A stump rooted variety somewhat resembling the well-known Nantes Carrot, but having a larger shoulder, and much more productive. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

Intermediate Red—An excellent new English sort. It is smooth, and nearly the Danvers in size; flesh very close in texture, and almost without core; fine cropper. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

Cucumbers.

German—Gurke. French—Cucumber.
Spanish—Cohombro

gathered when large enough, whether required for use or not, as it left to ripen on the vines, it destroys their productiveness. *Cucumbers forced under glass turn yellow quickly, sometimes from effects of over-feeding and from the use of manures that are too quick; on this account cow manure is preferred to horse manure.* **One ounce of seed for fifty hills. One to two pounds for an acre.**

Livingston's Evergreen.

THE BEST
PICKLER.

Introduced by us in 1890, and now well known the country over, and is catalogued by all of the largest seedsmen, and generally admitted to be the best pickle sort offered, possessing every qualification required in a perfect pickle cucumber. It is very hardy and withstands drought, and bears very profusely until frost. One grower says it bears four to one compared with the standard sorts. It is a very strong grower, extra early and bears firm, crisp fruits, which are excellent for slicing. When ripe it is yellow, not white, as some have mistaken it. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.; 3 lbs. for \$2.00, postpaid.

Quotations for Larger Quantities made on request.

S. E. Newell, Sherodsville, O., Feb. 16, '96, writes: "Your seeds gave excellent satisfaction, and your Evergreen Cucumber is the best I ever saw and most prolific."

Oxheart, or Cuerande—Intermediate in length; fully three to five inches in diameter. The quality is extra good. Where other sorts require digging, Oxheart can be easily pulled. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

Danvers—One of the most productive and best for field culture. Tops medium, roots dark orange colored; large, but of medium length, tapering abruptly at the point; very uniform and handsome; flesh deep orange with yellow center; sweet and tender. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

Improved Long Orange—A standard late variety, handsome and uniform in shape; deep orange color; good flavor; yields heavily. It requires a deep soil and the plants should stand eight inches apart in eighteen inch drills for roots to attain their full size. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 70c.

Improved Short White—A new and distinct field carrot. Enormously productive, and grows well out of the ground, making it easy to harvest. Roots short, very heavy at shoulder, regularly tapering to a point; uniform shape and smooth; the color is light green above ground, white below; the flesh rich, solid and crisp, and of the finest flavor. Pkt., 5c.; oz., 10c.; 1/4 lb., 15c.; lb., 45c.; 3 lbs., \$1.25.

BELGIAN CARROTS.

These Carrots are largely grown in Europe for feeding stock, especially horses, by which they are much relished. They grow about twenty inches long, are enormously productive, keep well, and very nutritious.

Large Orange Belgian—Pkt., 5c.; oz., 10c.; 1/4 lb., 15c.; lb., 45c.; 3 lbs. for \$1.25.

Long White Creen Top—Pkt., 5c.; oz., 10c.; 1/4 lb., 15c.; lb., 45c.; 3 lbs. for \$1.25.

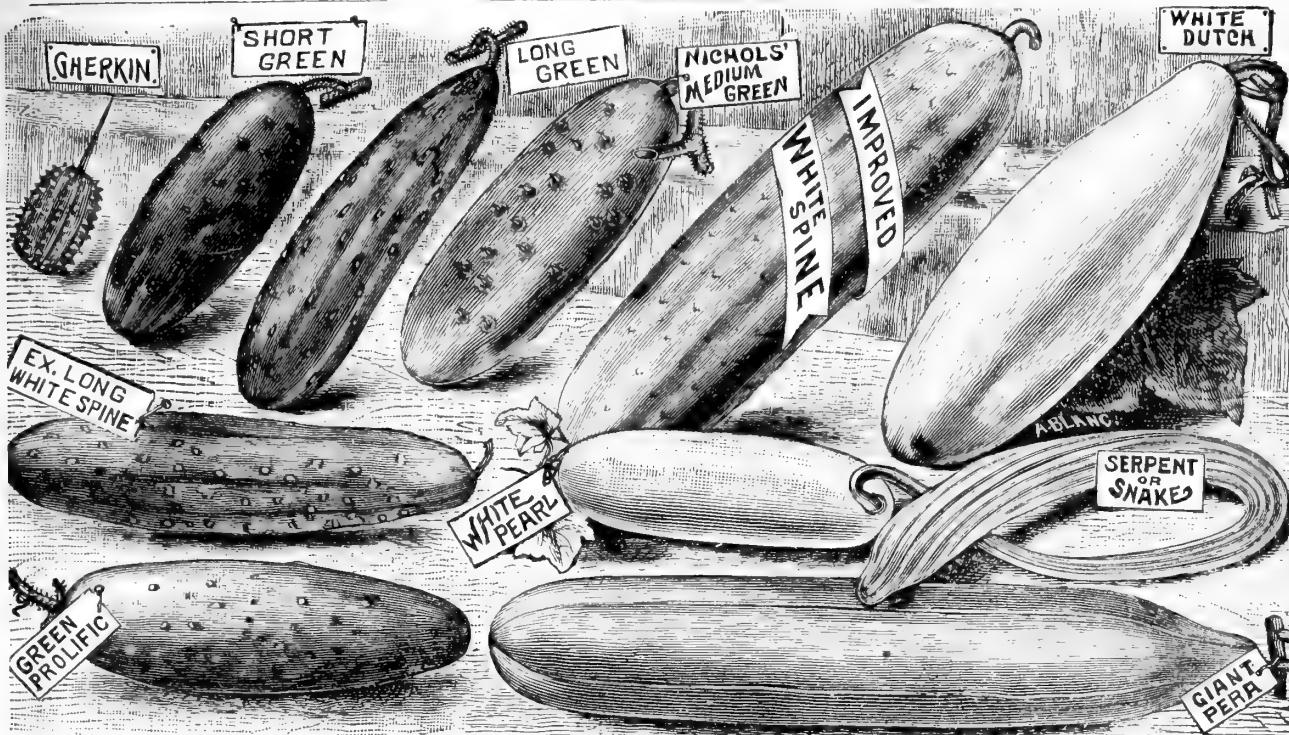
As soon as the weather becomes settled and warm, plant in hills from four to six feet apart each way, with eight or ten seeds in each hill; cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred and when the plants are out of danger of insects, leave three or four plants to the hill. For pickles, plant from the first of June to the first of August. The fruit should be or not, as, if left to ripen on the vines, it destroys the account cow manure is preferred to horse manure.

LIVINGSTON'S EVERGREEN.

SLUG SHOT IS
DEATH
TO THE
BUGS.



LIVINGSTON'S EVERGREEN PICKLING CUCUMBER.



JAPANESE CLIMBING—See Novelty Pages. Pkt., 5c.; oz., 10c.

Albino—A fine white skinned sort; excellent for home use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Improved White Spine, or Arlington—For market use and pickling this variety is much superior to the old White Spine. Our stock is the true Boston strain. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 60c.

Tailby's Hybrid—An excellent variety for family use; straight, smooth and handsome; a fine variety for forcing under glass. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

Extra Long, or Evergreen White Spine—Longer than the Peerless; of fine quality; makes a good pickle; used quite extensively for growing under glass. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

White Dutch—Large white variety. Pkt. 10c.; oz. 25c.; $\frac{1}{4}$ lb. 75c.

White Pearl (Japan White)—A beautiful pearly white, even the young fruits are of a very light color; tender, crisp in taste, and of splendid quality for forcing. Pkt., 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

Extra Early Russian—The earliest, small, hardy, and productive; excellent for small pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Improved Long Creen—Long and crisp; popular and reliable variety for pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Chicago, or Westerfield Pickling—Popular with Chicago market gardeners, and extensively grown in that vicinity. Medium length, slightly pointed at each end, with very large and prominent spines; color deep green. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Peerless White Spine—*One of the Finest.* Fruit large size, straight and well formed, full at both ends; productive; skin deep green, holding color until maturity. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Bismarck—A cross between Long Green and White Spine; longer than the latter, and very desirable in shape and color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

Hill's Forcing White Spine—Of perfect form, remarkably even, and of that desirable dark green color. It grows more compact about the hill than most other kinds. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb. 20c.; lb. 60c.

Giant Pera—This magnificent variety is of most delicious flavor; flesh white, very crisp and tender at all stages, and can be eaten at any time during growth. Of enormous size, frequently 18 inches in length and 10 inches in circumference; very smooth and straight with beautiful skin free from spines. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Nichols' Medium Green—**(Headquarters Stock)**—This Cumber we obtained from neighbor (Mr. H. Nichols) nineteen years ago, and after several years' careful growing and selecting, offered it to the public in 1883. Color dark green; flesh crisp and tender; medium size; always straight and smooth; a real handsome and prolific variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early Creen Cluster—A short, prickly variety, bearing in clusters; very prolific; good for table use and fine for bottle pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Boston Pickling, or Green Prolific—Its characteristics are its uniform growth, hardly ever yielding cucumbers too large for pickling, and its immense productivity. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb., 20c.; lb. 50c.

Early Frame, or Short Green—A popular variety of medium size. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Jersey Pickling—Popular in New Jersey. Intermediate between the Long and Short Green, forming a long, slender, cylindrical pickle; very crisp and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Thorburn's Everbearing—Small sized; very early, productive and valuable as a pickler. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Serpent, or Snake Cucumber—A remarkable and very interesting curiosity. The cucumbers grow curled up like a snake, with the head protruding, and sometimes are several feet in length. The illustration represents their shape; the quality is fair. Pkt., 10c.

Cherkins—*(True West India)*—Used only for pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

ENGLISH FRAME OR FORCING CUCUMBERS.

Noa's Forcing—Most excellent sort and prolific. Pkt., 15c.

Rollison's Telegraph—Grows about eighteen inches long, bright green color, perfectly smooth. Pkt., 15c.

Tender and True—Pkt., 20c.

LIVINGSTON'S EXTRA EARLY WHITE SPINE.

This Private Strain of Extra Early White Spine is one we have had for over thirty years, and is, beyond a doubt, the most thoroughbred, uniform, and shapely variety known. We recommend it not only for first early but for general crop. It excels in earliness, often being ready for slicing when other sorts are only pickles. In purity it is unequalled. The vines are vigorous growers. It is an excellent variety for slicing and makes a choice pickle; straight and smooth; a great bearer, keeps green much longer than the yellow varieties and no sort excels it in crispness and fine flavor. Our Southern friends will find this variety most admirably adapted to their wants on account of earliness and beauty of form and color. **Selected Seed**—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.; 3 lbs., \$2.25, *postpaid*.

John Marshall, W. Windham, N. H., Oct. 1, '95, writes: "Your White Spine Cucumber fully takes the prize over all in 1895."



LIVINGSTON'S EXTRA EARLY WHITE SPINE CUCUMBER.

Sweet Corn.

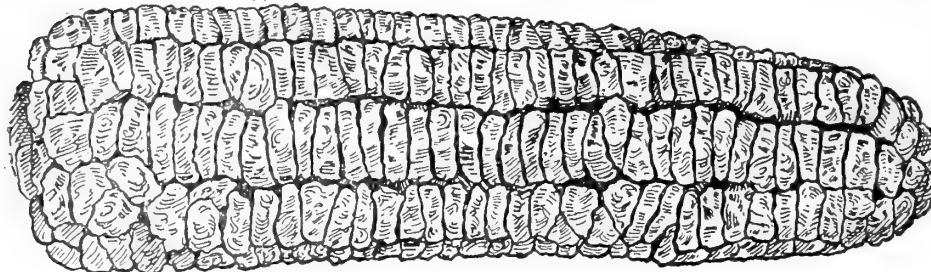
OHIO GROWN SEED SWEET CORN
is unexcelled by either Eastern or Western grown.

Special Prices will be made for Larger Quantities than here quoted, on application.

French—*Mais.*
German—*Welschkorn.*
Spanish—*Maiz.*

The Sweet, or Sugar Corn varieties, being liable to rot in cold or wet ground, should not be planted until May, or when the ground has become warm, and for a succession plant every ten days or two weeks until the last week of July, in hills 2x3 feet for the early kinds, and 3x3 for the large, late kinds. Some plant in drills $3\frac{1}{2}$ feet apart and eight inches in the row. Give frequent and thorough cultivation.

One quart plants 200 to 300 hills. Eight or ten quarts for an acre.



FIRST-OF-ALL SWEET CORN.

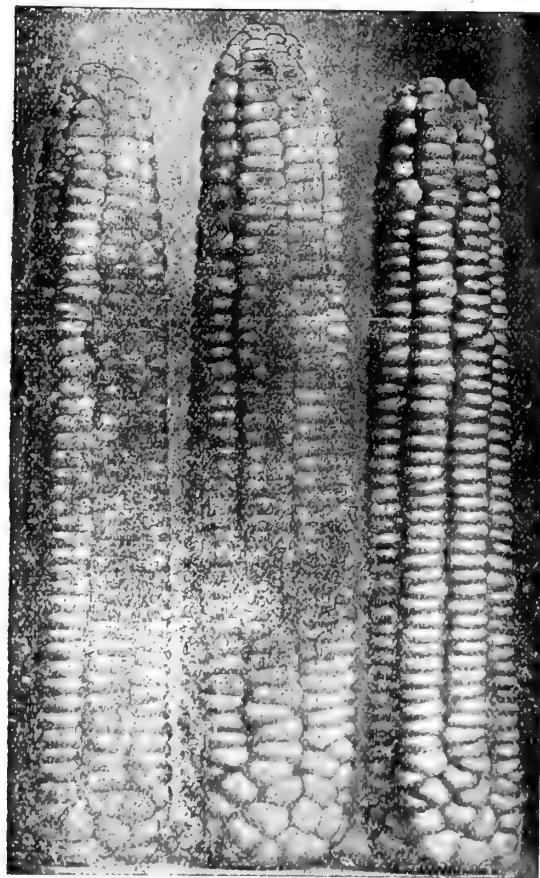
EXTRA EARLY VERMONT SWEET CORN.

EXTRA EARLY, of superior quality, handsome ears, white cob and kernel. One of the best we have ever grown. Pkt., 5c.; $\frac{1}{2}$ pt., 10c.; pt., 20c.; qt., 35c.; peck, 80c.; bus., \$3.00.

Early Maine—Has a pure white cob with a rich, cream-white kernel, sweet and juicy. Fine ear of good size; stock medium. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

Early Minnesota—One of the earliest and highly esteemed for its excellent qualities. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

Shaker's Early—A splendid market sort, ready very soon after Early Minnesota, but the ears are much larger. The stalks bear usually two large ears, well filled out to the tips of the cob; the kernels are large, white, and of delicious flavor. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.



BURLINGTON HYBRID CORN.

Our QUART and PINT PRICES include postage; if to go by Express, at buyer's expense, deduct 15 cents from the quart, or 8 cents from the pint prices below.

Half-pints will be mailed, postpaid, for 10c.—all varieties on this page.

Hance's New Early—See Novelty pages.

First-of-All—Claimed to be earlier than the Cory Sweet Corn. Reports of customers and comparative tests give it the lead by about one week. It is of very good quality, being tender and sweet. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

Extra Early Cory—One of the earliest varieties of sweet corn known. Has large ear considering size of stalk, small cob, well filled with broad grains. It is larger cared, and at least one week earlier than the Marblehead. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

White Cory—Identical with Extra Early Cory except in color, kernels and cob being white. This removes an objection some have on account of its color. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

Extra Early Adams—The hardest and earliest white corn known. It is not a sugar corn, but on account of its being largely sold for table use we class it among the sugar corns. It can be planted earlier than any other; ear short, grain white, indented. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

Early Adams—Similar to Extra Early Adams; larger, but not so early. Often used for the table, particularly in the Southern States; also a splendid corn to grow for early feeding purposes. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

Early Bonanza—One of the best medium early sorts, has large, fine ears in great abundance, bearing two or three ears to the stalk; a very profitable marketman's corn. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

Pea-and-Kay—Only a few days behind the earliest. It has an ear about the size of Evergreen; kernels large, white and sweet; ear ten to twelve rows, large and plump; stalks strong, prolific. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

Mammoth Sugar—This variety produces larger ears than any other sweet corn, single ears at times attaining a weight of two or three pounds. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 75c.; bus., \$2.75.

Stowell's Evergreen—Grown more extensively than any other; a great favorite with canners and market gardeners for late use. The ears are of large size; kernels very deep, tender and sugary; very productive, and remains for a long time in fit condition for table use. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 70c.; bus., \$2.50.

Egyptian Sweet—One of the best late varieties, and certainly the handsomest of all the late sorts. Ears large, none more uniform, and excels all in filling out perfectly at the tip end; cob and grain white. Very productive and used extensively for market and canning. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

BURLINGTON HYBRID is not a pure Sweet Corn, but as its quality is much better than the Adams Corns and its size and appearance ahead of any Sweet Corn of its season, it will be seen that when it comes into market, it practically has no competitor. Being a cross between Adams Extra Early and some variety of regular Sweet Corn, it combines extra earliness with good quality. Its productivity far surpasses Early Adams, producing ears double the size and about double the number. It has a Sweet Corn husk, while the Adams husk resembles field corn; every marketman knows that this is a decided advantage. No progressive gardener should fail to grow this corn largely. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 70c.; bus., \$2.50.

MR. COURTRIGHT, a dairyman, writes, 3-6-'96: "Every farmer ought to grow Burlington Hybrid for early feed; from one-half an acre last season, after selling some of the earliest ears in market, I saved \$15.00 to \$20.00 feeding to hogs and cows."

THANKS FOR PROMPTNESS.

L. H. Harris, Deer Park, Ala., 2-29-'96, writes: "My order for seeds that I ordered from you came all right. Many thanks for your promptness in filling my order."

Walter S. Tice, Williamstown, N. J., 3-17-'96, writes: "I received the seeds and am well pleased with them, and thank you for promptness in filling the order."

O. P. Freeborn, Milton, Wis., 3-4-'96, writes: "Seeds received all right; thanks for promptness and for extras."

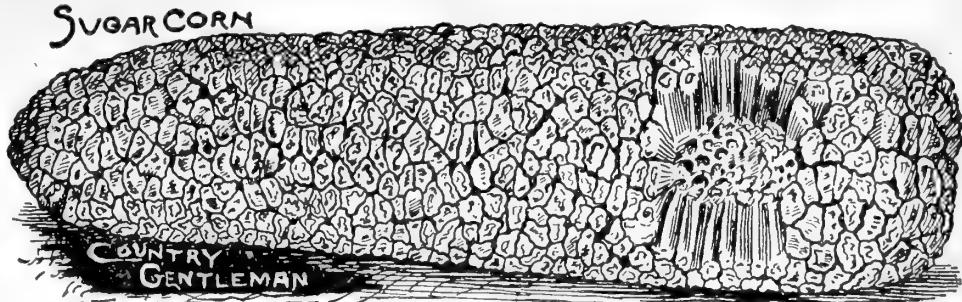
C. E. Blackburn, Steubenville, O., 3-25-'96, writes: "Goods came yesterday, all O. K. Many thanks for such prompt attention."

OUR NEW COLUMBUS MARKET SUGAR CORN and HANCE'S EARLY see Novelty pages.

COUNTRY GENTLEMAN SWEET CORN.

Country Gentleman—(Improved Ne Plus Ultra)—By careful selection a variety has been obtained which produces ears of about double the size, and of the same delicious quality as the original. The ears are produced in great abundance. The cob is very small, giving great depth to the kernels, which are pure white. But the great merit of the **Country Gentleman** is its delicious quality. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 75c.; bus., \$2.75.

No Plus Ultra—(Shoe Peg, or Quaker Sweet)—This variety ears profusely, frequently bearing two to three, and sometimes four, ears to the stalk. The kernels are deep, placed irregularly but very compactly upon the cob. It matures medium to late. Its unusually sweet and pleasant taste makes it a popular favorite. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 75c.; bus., \$2.75.



• • • Our Four Sweet Corns • • •

Livingston's Evergreen Sugar Corn—Red Cob.

This variety we introduced *over thirty years ago* and is now a general favorite with marketmen throughout the United States. It is a first-class *second early* corn, and can be planted hereabouts as late as the first week in July. It is very productive; has large, well filled ears, with broad kernels and very small cob, filled well over the tip; *very sweet* (none sweeter). Out sells in this market every other variety. It is a good cropper, grows only six or seven feet high, and maturing early it makes a very profitable food crop for hogs, milch cows and other stock when early feeding is desired and at a time when other feed is short. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 75c.; bus., \$2.75.

Livingston's Evergreen Sugar Corn—White Cob.

When we state that we worked industriously 15 seasons to produce this corn, it will be quickly seen why we take such great pleasure in introducing it. To make a long story short, it is simply our old Livingston's Evergreen with a white cob instead of a red one. This removes the only objection ever urged against our old standby, which has stood its ground for over 30 years, notwithstanding its red cob. We presume we would be safe in saying that thousands of gardeners have expressed the opinion that if our Evergreen had a white cob it could never be surpassed as a market corn for table use. This new **white cob** strain lacks not one of the good qualities of the older sort from which it sprung, and we believe it will be endorsed by every Corn Grower, whether for home use or sale in market. Pkt., 5c.; pt., 20c.; qt., 35c.; pk., 75c.; bus., \$2.75.

READ THE FOLLOWING:

L. B. Mechling, Fancher, Illinois, writes: "Your Evergreen and Gold Coin Corns, though dry as was the season, were *par excellent*, I never raised a better crop in a good year, I am willing to take your word, for anything, without a warrant."

H. House, Hulington, Ohio, writes: "Your Gold Coin Corn was fine, two large, well filled ears on many stalks."

W. Kunkle, Leechburg, Pa., November 4, 1895, writes: "I had some fine Silver Coin Corn this year, large ears, fine quality."

SWEET CORN FOR FODDER.

There is nothing better for green feed or for curing for winter than Sweet Corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of milk. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. Also excellent for soiling. Sow thickly in drills or broadcast, at the rate of two or three bushels per acre. Peck, 50c.; $\frac{1}{4}$ bus., 75c.; 1 bus., \$1.10; bags of $2\frac{1}{4}$ bus., \$3.00; 2 bags, \$5.50; 4 bags, \$10.00. **No charge for bags.**

Prices for larger lots on application.

Dandelion.

June on warm rich soil, in drills half inch deep, and eighteen inches apart. Roots only, sow in September, and cultivate well for one year when the roots are ready for digging.

Large Leaved—Leaves fully double the size of the common Dandelion. A great advance over the old variety. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Dandelion resembles the Endive, and is extensively cultivated for early spring greens; blanched it makes a good salad. It is quite a profitable crop to grow under greenhouse benches. The roots, when dried and roasted, are often used as a substitute for coffee. Seed should be sown in May or June on warm rich soil, in drills half inch deep, and eighteen inches apart. Plants ready for use the following spring. When grown for the roots only, sow in September, and cultivate well for one year when the roots are ready for digging.

We can supply the following well-known varieties of Sweet Corn. Price of each, **Postpaid**—Pt., 5c.; pt., 20c.; qt., 35c. By express, bus., \$2.75; pk., 75c.; 4 qts., 40c.

Perry Hybrid, Russell's Prolific, Marliehead Early, Potter's Excelsior, Old Colony, Moore's Concord, Hickox, Triumph, Black Mexican, Crosby's Early.

Special Prices on application to parties wishing larger quantities of Sweet Corn

FIELD AND POP CORNS.

For Various Field and Pop Corn Varieties see Farm Seed Dep't.

Dandelion resembles the Endive, and is extensively cultivated for early spring greens; blanched it makes a good salad. It is quite a profitable crop to grow under greenhouse benches. The roots, when dried and roasted, are often used as a substitute for coffee. Seed should be sown in May or June on warm rich soil, in drills half inch deep, and eighteen inches apart. Plants ready for use the following spring. When grown for the roots only, sow in September, and cultivate well for one year when the roots are ready for digging.

Large Leaved—Leaves fully double the size of the common Dandelion. A great advance over the old variety. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Egg Plant.

French—*Aubergine*.
German—*Eierpflanze*.
Spanish—*Berenjena*.

The Egg Plant should be more generally grown, for when well grown and properly cooked it is a most delicious vegetable. The seeds germinate slowly and should be started in flats or boxes in a strong, uniform heat, and kept constantly growing because the young plants seldom recover if checked in their growth. Sow the seed in hotbeds or warm greenhouse in March or early April; if no hotbed is at hand they may be grown in any light room where the temperature will average 75 degrees. When the plants are two inches high, or have formed two rough leaves transplant them in beds three or four inches apart, or, what is better, prick off into two-inch pots, and later shift to four-inch size and plunge them. Keep the bed closed and very warm, shading from the direct rays of the sun, and giving abundance of water until the ground is warm and all danger from frost and cold nights is past; then harden the plants by gradual exposure to the sun and air, and increase the supply of water; transplant to the open ground late in May or June into warm, rich soil, from two to three feet apart each way, according to the richness of the soil. When about a foot high draw the earth up to the stems. They thrive in any good garden soil, but repay liberal treatment. Care should be used in cutting the fruit so as not to disturb the roots of the plants.

HOW TO COOK—Fritters—Cut into slices of one-fourth to one-half thickness, pare off the rind, put into a dish with a layer of salt between the pieces, beginning with a layer of salt in the bottom of the dish, letting them stand three or four hours; or the slices may soak in salt water for eight or ten hours. Then dry each slice with a cloth or towel. Fry in a batter of eggs and flour seasoned to taste, or dip in beaten egg and roll in bread crumbs and fry slowly in hot butter until a rich brown; serve hot. **Fried**—Cut in slices crosswise not over half-inch thick, parboil in salt water about fifteen minutes, then fry in hot butter and lard.

Early Long Purple—Hardier and earlier than New York Purple, succeeding further north. Fruit from six to nine inches long. Dark purple, good quality and one of the best varieties. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Black Pekin—Entirely distinct from all other varieties, both in habit and fruit. The fruit is very dark purple, almost black, nearly round, large size, smooth and glossy, flesh white and very solid, fine grained and delicate flavor; matures early, prolific, very handsome, and a popular variety for market. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

NEW WHITE PEARL—See Novelties.



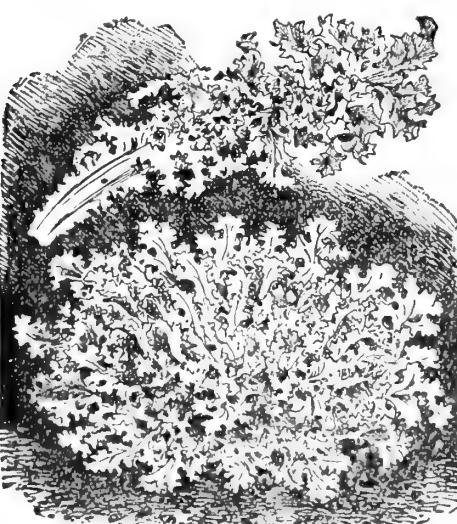
LIVINGSTON'S MAMMOTH PURPLE—(Spineless)—Northern Crown—This splendid variety we obtained by very careful selection and extra cultivation, beginning with a true strain of New York Improved Large Purple. The process of improvement was carried on for years, until we now have the finest strain of Mammoth Egg Plant that we have any knowledge of. While immense size was one of the main objects kept in view we did not lose sight of other valuable points essential in a first class market variety. It is quite early for such a large sort and is a sure cropper. The plants are large, vigorous and productive. Fruit very uniform in color and shape; very large, usually seven to nine inches in diameter, but sometimes specimens are grown that measure ten inches. Skin a very handsome dark purple, smooth and glossy. Flesh white, of superb quality. We pronounce it the **best Egg Plant in cultivation—no exception**. It is very important that growers have the best seed and variety obtainable, for if poorly grown, irregular in shape, or green in color, they are quite unsalable, and your time and money is wasted. Pkt., 10c.; $\frac{1}{2}$ oz., 25c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50.

New York Improved Large Purple—The leading variety known by marketmen everywhere; fruit large, smooth, deep purple; flesh white; good quality. The stock we offer is fine New Jersey grown. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Mr. Wm. Thompson, Washington, Pa., writes: "The Egg Plants were the finest we ever had. I sold them at *fifty cents more on the dozen than any other kind.*"

Mr. John J. Ferguson, Sarasota, Fla., writes: "Those Mammoth Purple Egg Plant Seeds I received from you a few weeks ago are coming up *better than any of my neighbor's seeds.*"

Mr. A. M. O Guin, Rutland, Fla.: "The Mammoth Egg Plant I bought of you last winter are very fine. Bushes are *bearing full now.*"



EVER WHITE CURLLED ENDIVE.

ENDIVE.

For an early crop sow in April, in drills fifteen inches apart, and later thin out to twelve inches in the rows. It can also be sown in beds and transplanted to the above distance after attaining sufficient size. The main sowings are made in June and July. Ordinary good soil and cultivation are all it requires. When nearly full grown it is blanched in the following manner: Gather up the leaves and tie them by their tips in a conical form, thereby excluding the light and air from their inner leaves, which then blanch to a beautiful yellowish white. This process takes two to five weeks, according to the temperature, blanching fastest in warm weather. Another method is to lay clean boards right over the plants which exclude the light and air. Tie up at different times, as it only keeps a short time after blanching. For winter use take up with earth and store in frames or a dry cellar. **One ounce sows 100 feet of drill.**

Ever White Curled—By far the most beautiful variety. Plant moderately dense; leaves coarser than those of the Green Curled; but the mid-rib is yellow and the leaves frequently almost white, so that the plants are very attractive and always bring the highest prices on the market. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Small Green Curled—The variety most cultivated. Leaves dark green, broad and curly; tender and crisp in quality; somewhat earlier and more hardy than other varieties. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Moss Curled—A beautiful curled variety somewhat resembling moss; dark green in color; quality fine. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Broad Leaved Batavian—Has broad, thick, slightly wrinkled leaves forming a large head which is preferred for stews and soups, but if the outer leaves are gathered and tied at the top, the whole plant will blanch nicely, and make an excellent salad for the table. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.50.

Large Green Curled—(Mammoth)—Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

Gourds.

besides being very ornamental and serviceable as climbers.

For Ornamental Gourds, see Flower Seed List.

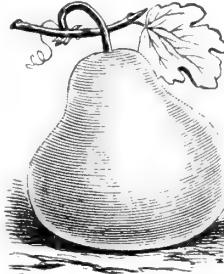
HERCULES CLUB GOURD.

Hercules Club Gourd—Grows four to eight feet long. Pkt., 5c.

Nest Egg Gourd—(Japanese Nest Egg)—These resemble a hen's egg in color, shape and size. They do not crack, are not injured by cold or wet, and make the best nest eggs. As the plant is a rapid growing climber, it is very useful in covering screens, etc., being quite ornamental. **We have a very pure stock of this variety to offer this season**, and can recommend it. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

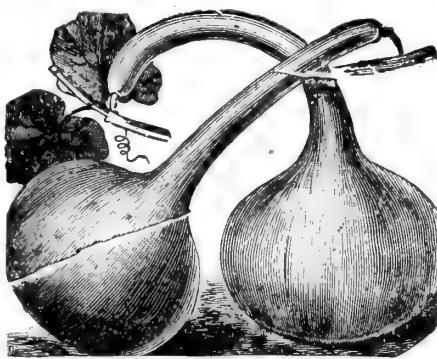
Sugar Trough, or Sap Bucket—Selected Stock—Grows to a very large size; holds from four to ten gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. They are used for great variety of purposes, such as buckets, bas-kets, soap and salt dishes, nest boxes, etc., and have been used for packing lard. They are as easily grown as pumpkins. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.

Bath Sponge, Dish Cloth, or Japanese Luffa Gourd—A natural dish cloth, and a most admirable one, is furnished by the peculiar lining of this fruit, which is sponge-like, porous, very tough, elastic and durable. Many ladies prefer this dish cloth to any other. The fruit grows about two feet in length, and the vine is very ornamental, producing clusters of large yellow blossoms, in pleasing contrast with the silvery-shaded, dark green foliage. In the North this variety should be started very early in hot-beds or otherwise. Pkt., 5c.; oz., 40c.



SUGAR-TRough GOURD.

Dipper Gourd—Can be used for dippers, the handles being from 9 to 12 inches long, and they hold from a pint to 2 quarts. When grown on the ground the handles will be curved as in the engraving, while if grown on a trellis or a tree their weight will cause them to grow straight. Very convenient for hot liquids, as the handle does not heat through readily. They are easily prepared and last for years. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.



We sell one packet each of the above Gourds for only 20 cents, prepaid.

GARLIC. German—Knoblauch. Prepare the ground as for onions; plant the bulbs in early spring, in drills twelve inches apart, four inches in the row, and cover two inches deep. Estemed by many for flavoring soups and stews. **Bulbs** (postpaid, oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 30c. By express (not paid), lb., 20c.; 3 lbs., 50c.; 10 lbs., \$1.40.

GHERKINS. West India Cherkin—(True)—Also known as **Jerusalem Pickle**. Very small, oval, prickly variety, quite distinct from all others. It is grown exclusively for pickling; it is the smallest of all the varieties of Cucumber, and should always be picked when young and tender. The seed is quite slow to germinate, requiring sometimes ten to twelve days. Pkt., 5c. oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

HERBS. Herbs in general delight in a rich, mellow soil. Sow the seeds early in spring in shallow drills, one foot apart; when up a few inches thin out to proper distance or transplant. Care should be taken to harvest them properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack close in bottles or dry boxes to exclude the air entirely. Varieties with an * are perennials. Pkt. oz.

	Pkt. oz.	Pkt. oz.	
Anise.....	5 10	*Lavender.....	5 15
*Balm.....	5 25	*Pennyroyal.....	10
Bene.....	5 15	Pot Marigold.....	5
Bohnen Kraut.....	5 15	*Rosemary.....	30
Borage.....	5 15	*Rue.....	5 15
*Caraway.....	5 10	Saffron.....	5 10
Catnip or Catmint.....	5 35	Sage-lb. \$1.75; 4 ozs. 50c.	5 15
Coriander.....	5 10	Summer Savory.....	5 10
Dill.....	5 10	Sweet Basil.....	5 15
Fenugreek.....	5	Sweet Marjoram.....	5 15
*Fennel.....	5 10	*Tarragon.....	10
*Henbane.....	5 20	*Thyme.....	5 20
*Horehound.....	5 25	Winter Savory.....	5 20
Hysopp.....	5 25	*Wormwood.....	5 15



THE NEST EGG GOURD

HORSE RADISH.

The best Horse Radish is produced from small pieces of roots four or five inches in length. These small roots will produce good Radish fit for use in one season's growth. Plant the set small end down, where the slanting cut is, so that the top will be two inches under the soil. The soil should be very rich and well cultivated. It is hardy and may be left in the ground until spring before digging. A part of the crop may be potted late in the fall if desired. A dozen roots will give all that will be needed for family use; as it constantly increases, it is best to plant it in some out-of-the-way corner of the garden. A very profitable crop for market gardeners to grow. By mail (postpaid), 5 cents each; dozen, 25c.; 50 for 60c.; 100 for 90c. By express (not paid), 100 for 75c.; 300 for \$2.00; 500 for \$3.00.



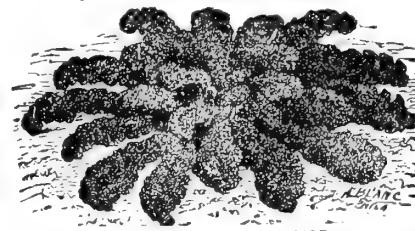
Prices for 1,000 and upwards given on application.

KALE.

German—Blatter Kohl. French—Chou Vert.

Spanish—Berton.

Borecole, Kale, or German Greens, are general terms applied to those classes of cabbage which do not form heads, but furnish an abundance of pretty curled leaves that are very ornamental and highly prized as food. Some of the varieties are the most tender and delicate of the cabbage family, and would be much more extensively grown if their excellent qualities were generally known. Can be grown in almost any soil, but the richer it is the better the product. Sow from the middle of April to the beginning of May like cabbage; transplanted and cultivated the same as cabbage. They are more hardy than cabbage, and will endure considerable frost without injury.



DWARF GERMAN CURLED KALE.

Hardy; will remain over winter in any place where the temperature does not fall below zero. A decided improvement upon the old tall Scotch. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

Half Dwarf Moss Curled—A particularly fine variety possessing all the merits of both the tall and dwarf kinds; of compact, bushy growth; the foliage is light green and toward the center yellowish green. The edges of the leaves are so beautifully crimped that it resembles fine curled Parsley, and can be used for garnishing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Siberian Kale, German Greens, or "Sprouts"—extensively grown as winter greens; sow in September in rows one foot apart, and treat in every way as Spinach; it is very hardy and is ready for use in early spring. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

German Dwarf Purple—A dwarf, compact plant composed of a mass of large, finely frilled leaves of a deep purple color. Tender and of excellent quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.20.

SPECIAL PRICES MADE FOR ANY LARGE QUANTITY.

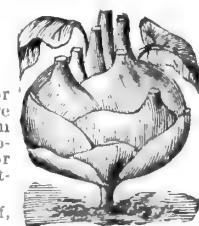
KOHL RABI. Turnip Rooted Cabbage.

German—Kohlrabi. French—Chou Rabe. Spanish—Calde Nabo.

When young and tender they are fine for table use; when matured they keep well and are excellent for feeding stock. For early use sow in hot-bed, transplant and cultivate like early cabbage. For winter use sow the middle of June or first of July, in rows 18 inches apart, transplanting or thinning out to 8 inches in the row.

Earliest White Vienna—Smooth, short leaf, excellent for forcing, and of fine quality. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

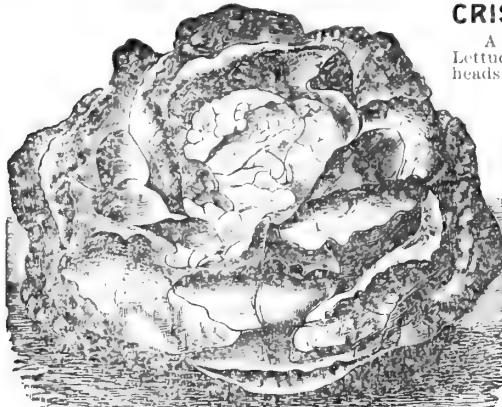
Early Purple Vienna—Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.10.



KOHL RABI

Lettuce.

bed in early spring; as soon as the ground can be well worked, inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. If sown outside, to be cut young, sow thickly in drills or broadcast; but if fine, strong heads are desired, sow in drills $\frac{1}{4}$ -inch deep, eighteen inches apart, and thin, rather than transplant, to twelve inches apart in the rows. **One ounce of seed makes 2,500 plants.**



CRISP-AS-ICE LETTUCE.

richness of the soil. **Postpaid**—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Tennis Ball—Close, hard, well-formed heads. Leaves green, thick, crisp and tender. One of the earliest, extremely hardy, and well adapted both for forcing and outdoor culture. **Either White or Black Seed**—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Black-Seeded Butter—Similar to Tennis Ball, but larger. Extensively used as an outdoor variety; excellent in flavor; comes early. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Golden Yellow Stonehead—A fine variety with very solid heads of great beauty. As early as Tennis Ball, but has larger heads; unsurpassed for table use; good for forcing or earliest spring crop. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Early White Cabbage—This old reliable variety is very tender, has large, solid, greenish-white heads and stands heat extremely well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Tomhannock—Forms a beautiful plant 10 to 20 inches high by 9 to 12 inches across. The edges of the outer leaves are glossy, reddish bronze; handsomely wrinkled; inside leaves white, very crisp and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Livingston's Golden Head—A superb cabbage variety. Heads up well; crisp and tender. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Mammoth Marblehead—The largest header of any, measuring eight inches across the solid head, or as large as a good cabbage. The heads are very closely wrapped together; the leaves are a lightish green; second early; tender, crisp, and free from any bitterness. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.



Celery Lettuce

GRAND RAPIDS LETTUCE—This variety is especially adapted for greenhouse culture in winter; it is also a good lettuce to sow outside early for family use. It is the result of fifteen years' selection from the Black Seeded Simpson, which is generally recognized as the standard for forcing for the home market. It is superior to rapid upright growth; may be planted close; not liable to rot, standing several days after being ready to cut, without injury; retains its freshness long time after being cut, hence much sought after by dealers, especially shippers; its quality is very desirable. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

NEW CELERY LETTUCE

The favorite class of Lettuces in Europe are the Cos or blanching varieties, and this variety is the finest of its class. The Cos varieties are becoming more popular in this country every year. The long, narrow leaves, which form solid heads, almost like a Wakefield Cabbage, bleach and quickly becomes snowy white. Excels all others in quality, having a taste and crispness unequalled. The leaves, when blanched, are stiff like Celery stalks, and can be eaten in the same manner. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

New Iceberg Lettuce.
See Novelty Pages.

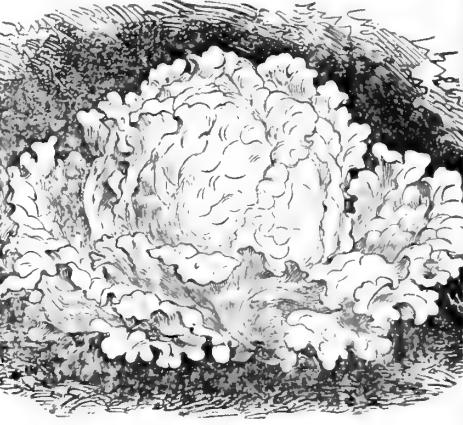
The most used of all salads, is of easy culture, being almost free from all disease and insects. It requires rich, moist soil, and clean cultivation. This will give the quick growth on which depends its appearance, tenderness and flavor. For early spring use, sow in a seed bed in September or October, and protect through the winter with cold frames, or in the South with leaves or litter, or sow in a hotbed in early spring; transplant in good, rich ground, to rows eighteen inches apart, and eight to ten inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. If sown outside, to be cut young, sow thickly in drills or broadcast; but if fine, strong heads are desired, sow in drills $\frac{1}{4}$ -inch deep, eighteen inches apart, and thin, rather than transplant, to twelve inches apart in the rows. **One ounce of seed makes 2,500 plants.**

CRISP-AS-ICE LETTUCE.

A most beautiful and attractive Lettuce of the Cabbage type. The heads are solid, and of immense size when well grown, and so exceedingly tender and brittle as to fully warrant the name, "Crisp-as-Ice." The glossy leaves are thick and nicely crimped like a curled Savoy Cabbage; outside they are beautifully variegated with bronze and green. The heads, when cut open, have a rich, creamy yellow heart. An exceedingly superior family and home market lettuce, but on account of its extreme tenderness, it is unfit for shipping or handling in large bulk.

Take our word for it, and try a little sown early in hotbed for transplanting, then later sow some outside for summer use; in either case, if you wish fine large heads, transplant 12 to 18 inches apart each way, according to

Blonde Beauty—(Sunset)—A new Summer Lettuce of bright golden tinge and attractive form. Resists heat to a remarkable degree, and is an excellent keeper after being cut; is tender, crisp, sweet and juicy when many sorts have become tough and bitter. A distinct and superior sort for shipping and the home garden. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.



BLONDE BEAUTY LETTUCE.

Colden Ball—Distinct, delicate golden-yellow color, which it retains throughout the season. Crisp, tender and excellent in flavor; the acme of perfection for forcing or early spring crop; also, long standing and fit for eating late in the season. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Tilton's White Star—A universal favorite with gardeners for forcing or outdoor planting on account of having enormously large heads, bright color, crispness and long keeping qualities. Valuable shipping sort, as it remains a long time in condition for use. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

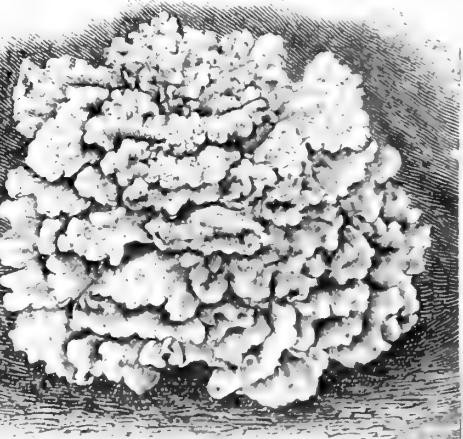
Buttercup—The plant is very distinct and attractive; leaves of a beautiful yellow color, and very sweet and tender. The plants are vigorous; do not run to seed until very late and remains as long as any other sort. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Silver Ball—One of the best all the year round Lettuces we know of. A variety of excellent qualities, as good for early spring and summer use as winter forcing. The heads are silver white, very firm and compact, with beautifully curled leaves. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

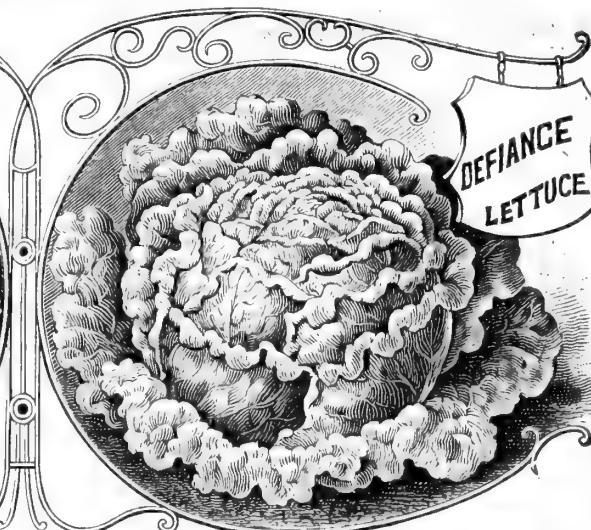
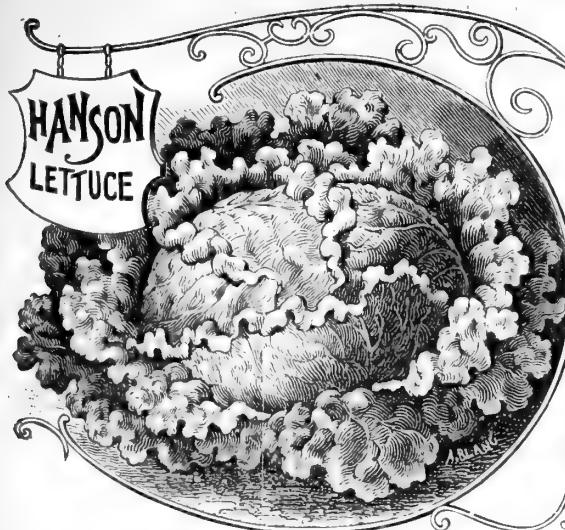


SILVER BALL LETTUCE.

condition for use
Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.



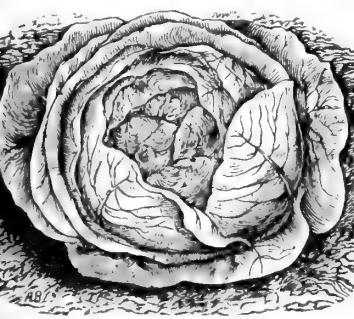
GRAND RAPIDS LETTUCE.



Our Improved Hanson—None more reliable for out-door cultivation. In ground well manured and cultivated, the heads grow to a remarkable size, resembling that of a flat cabbage, and so slow to run to seed that it often fails to form a seed stalk. The outer leaves are bright green, the inner leaves white and deliciously sweet, tender and crisp, free from any unpleasant bitter taste. The stock we offer is the same as that sold by us for many years, and from the fact that we never get any complaints from it we judge it is unsurpassed and gives entire satisfaction. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.



the very best sorts for growing under glass, planting. Fine for home market, but not so desirable for shipping as Grand Rapids. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.00.



PHILADELPHIA BUTTER.

Early Curled Simpson—Does not head, but forms a compact mass of curly leaves of a yellowish green. It matures earlier than the firm head sorts, hence is very generally grown in cold frames, also as an early outside crop. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Black Seeded Simpson—(Curled)—A very popular sort among market gardeners everywhere. Forms a large, loose head; its nearly white, curly leaves are large, thin, exceedingly tender, and of very good quality; one of as well as for early outside

Big Boston—Resembles the popular Boston Market, but is nearly twice as large; a most desirable variety for forcing in cold frames, and for out-door planting. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Philadelphia Butter or Early White Head—A thick-leaved, smooth lettuce, round, dark green leaves, formed into a very solid, round head; stands a long time without running to seed. The inner leaves blanch a rich yellow; quality first-class. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

LEEK.

Leeks are especially desirable for soups, and considered by many to have a better flavor than the onion. Can be cultivated in two ways—either by sowing early in the spring in a seed bed and transplanting, or by sowing outside where they are to grow; if sown in a seed bed, when about six inches high transplant into deep, rich soil, five inches apart; use a dibber and plant deeply, close to their leaves, so that the necks may become blanched; or they may be planted in trenches six inches deep and the trenches filled in gradually as the plants grow, a good watering at the time of transplanting is very beneficial. If sown outside sow early in the spring in rows about eighteen inches apart; when four inches high thin to four inches apart. Transplanted plants always produce larger and earlier Leeks.

Broad Scotch, or London Flag—An old standard, hardy kind: large, strong plants; broad leaves. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.

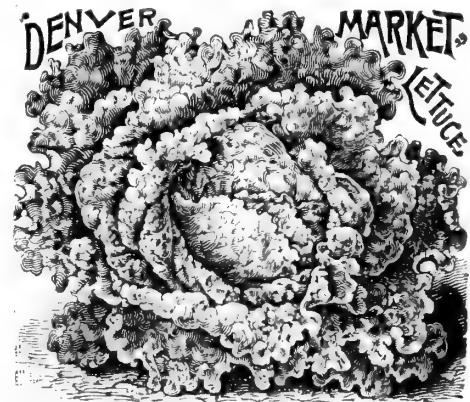
Large Musselburg—(Carentan, or Scotch Champion)—A favorite market sort of enormous size: leaves large and broad, flavor very mild and pleasant. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Rouen, Very Large Winter—A large and excellent variety: good for forcing. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., 1.25.

Defiance Summer—(Perpignan)—Claimed by many to be a better lettuce than Hanson. It is certainly unequalled for long standing, and one of the finest large-growing cabbage varieties. It forms very large, solid heads, so firm that they have to be cut open to allow the flower heads to come through when it is desired to have them go to seed. The leaves are a beautiful light green. Pkt. 5c.; oz. 15c.; $\frac{1}{4}$ lb. 40c.; lb. \$1.25.

CALIFORNIA CREAM BUTTER—A grand, good butter lettuce. The heads are of good size, round and solid, outside medium green, within the leaves are a rich cream-yellow color; rich and buttery in taste. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Denver Market or Savoy—An early variety of Head Lettuce, either for forcing or open ground. Forms large, solid heads of a desirable light green color. The leaves are beautifully marked and blistered (like Savoy Cabbages) and are very crisp and tender; flavor excellent. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



We can also supply the following well-known Lettuces. Price of each, postpaid—Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25:

SALAMANDER, PARIS COS, CURLLED SILESIA, EUREKA BRONZE, PHILADELPHIA DUTCH BUTTER, BROWN CURLLED, BOSTON MARKET, BOSTON CURLLED, FERRY'S PRIZE HEAD, YELLOW SEEDED BUTTER, OAK LEAF, CHARTIER, SPECKLED and PERPETUAL.

Muskmelons.

A rich, sandy soil is most desirable for melons. The seed should be planted when the ground has become warm, in hills six feet apart each way. Old, well rotted manure should be thoroughly mixed with the soil in each hill; put six to ten seeds in the hill; finally, when danger from insects is past, leave three or four of the strongest plants only. If the plants grow very rank the tips of the leading shoots should be pinched off when about three feet long; also, if the fruit is excessive, they may be thinned out, which will cause the melons to ripen earlier and increase the size of the fruit. Melons may be forced like cucumbers, and the practice is growing in favor annually among melon men, as the method becomes better understood, and on account of the large profits gained by having home-grown melons in market some days ahead of the outside planting. Cultivate thoroughly and often to keep down the weeds and bugs.

One ounce of seed for 60 hills; 2 to 3 pounds for an acre.

See Novelty Pages for Descriptions of NEW TIP TOP and other New Muskmelons.

German—*Melone*.
French—*Melon*.
Spanish—*Melon*.

EARLY NETTED GEM—Extensively grown, and preferred by many to all others for table use. Shape, almost a perfect globe, and grows remarkably uniform; thick meat; flesh light green in color, and of fine luscious flavor; skin green, regularly but not deeply ribbed and thickly netted; very productive and extra early in ripening; will keep for nearly a week after picking, and is especially suited for shipping in baskets or crates. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.; 3 lbs., \$1.75, *postpaid*.

Six Oaks Cantaloupe—Of all the varieties of new cantaloupes tested the past two seasons, none pleased us better or proved more distinct and worthy of introduction. It is of large size and the fruits are very heavy. It is green-fleshed, deeply ribbed, well netted, and nearly round in shape. A fine variety to raise, either for market or the family garden; in quality, delicious. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Perfection—(Princess)—Is quite large, dark green skin, heavily netted, small seed cavity; flesh very thick, of a rich orange color, very sweet, watery, and of a most delicious flavor—in short, *about perfection*. Not a good shipper, but sells well in any home market, because it invariably pleases customers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Montreal Market—The Largest Round Melon in the World, weighing 15 lbs. and upward (they have been grown to weigh 39 lbs.). To all who wish to grow the handsomest melons possible, and extra large ones for market, we recommend this one. The shape is almost round; deeply ribbed; skin green, and densely netted; flesh remarkably thick light green, and of good flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Giant Chicago Market—This fine nutmeg melon is one of the very sweetest; large and very productive; decidedly ribbed; extra well netted; thick green flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Long Island Beauty—A splendid new variety of the Hackensack type. It is of very superior quality, with green flesh and densely netted. In shape it resembles the Hackensack, but slightly more ribbed. Besides being most beautiful, it is also one of the *earliest* of all. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Jersey Belle—The only fault ever found with *Jenny Lind* was its small size. This sort is double its size and equally as good in all other points, and seems to have been selected from it. It is among the *first to ripen* as well as *largest of first early sorts*. It is flattened on the ends, deeply ribbed and heavily netted. This is a great favorite *down in Jersey*. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Extra Early Green Citron—(*First in Market*)—The largest of the very early nutmeg melons. Form, nearly round; fairly netted; flesh green; quality, first-class. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Early Green Flesh Nutmeg—*The Old Original Nutmeg*, and one of the very best; highly scented flesh, thick, sweet and fine flavored; of good size and quite early. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Emerald Gem—Medium size; nearly round; flesh a delicate light salmon color, very thick, fine-grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Hackensack—(Turk's Cap)—*A General Crop Melon*. It is round, well netted, and of large size; flesh green and thick; delicious flavor; beautiful in appearance. Very popular the country over. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Miller Cream—Ranks high as a market melon, either for home or shipping. The flesh is of rich salmon color, very sweet and melting, and is so thick that the melon is almost solid, the seed cavity being remarkably small. A strong grower and very productive; medium in size, and resembles the *Osage* very much. Pkt. 5c.; oz. 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

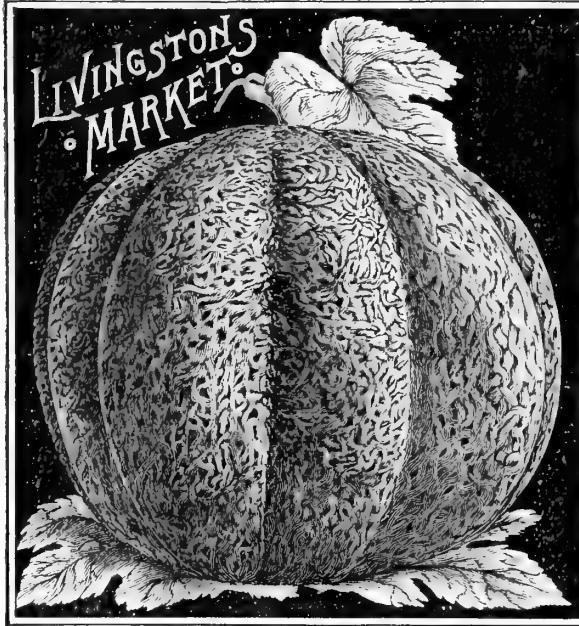
Banana—From two to three feet long. Yellow fleshed; entirely free from netting; skin, delicate straw color; flesh quite thick and blends from bright green to a rich salmon, making a fine and striking contrast; early; quality equal to the common muskmelon, and has a delicious fragrance; reminds one of an over-grown banana. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

Hemlock, Ind., 3-12-96. "I have been using your seeds for many years past. Always found them reliable and true to name, producing the best results." S. H. VANDENBARK.

Avenal, Md., 4-16-96. "Your Tip Top Cantaloupes were fine. I will want some more." JOHN H. BROWN

East Liverpool, Ohio, May 1, 1896. "I received the seeds O. K., and they are surely fine looking seeds. If they turn out like the Tip Top that I got of you last spring, I will be more than pleased." C. H. MOORE.

Our TIP TOP and ROSE GEM Melons are described in the Novelty Pages in the front part of this book.



LIVINGSTON'S MARKET MELON.

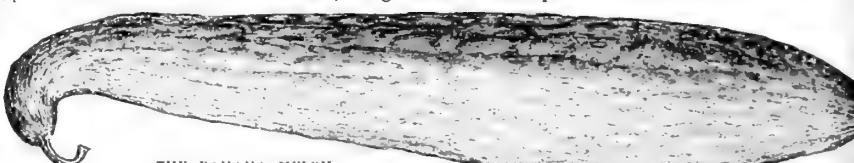
Many years were spent in perfecting this decidedly distinct and beautiful melon. A most valuable characteristic is the close, strong netting. Its **vigorous growth** gives it great hardness and ability to withstand drought, blight and bugs. Its beautiful shape and handsome appearance are remarked upon when placed side by side on the market bench or counter with any of the popular sorts of the day. It ripens only a **few days after Early Hackensack**, is more prolific, more uniform, bears longer, and the fruit is more solid; seldom bursts at blossom end; flavor and quality are all that can be desired. It is green fleshed, with small seed cavity. A valuable sort for a general crop. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.; 3 lbs., \$2.40, *postpaid*.

St. Mathews, Ky., March 19, 1895. "The Livingston Muskmelon that I got from you last year was the finest melon I ever saw. It was alike all over the patch, the same as if they had been molded. The Seneca Potato was also very fine." M. D. LUSHER.

THE OSAGE—A favorite yellow-fleshed variety; it is large, oval, slightly ribbed and netted; skin very dark green; flesh a deep, rich salmon, sweet, highly flavored and delicious to the rind; it is very seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



THE OSAGE MELON.



THE BANANA MELON.

EXTRA EARLY HACKENSACK MELON—One of our Leaders.

It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light green flesh of delicious flavor. Its shape and solidity admit of its being packed very closely in crates for shipment, and it will keep in good condition for several days after picking. The seeds do not shake loose en route as in many other sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 3 lbs., \$2.00, postpaid.

NEW COLUMBUS—It is a green-fleshed melon for general crop; ripens about with the Hackensack, and is a heavy yielder. The vines are strong and thrifty, and the melons, if left on the vine a week after they are ready to pick, still retain their good quality. It is strikingly distinct in shape, color and general markings, and is an excellent **long keeper**. Its beautiful buff skin is covered with a very thick whitish netting. It is almost entirely free from ribs or seams. The flesh is solid and thick, even at the blossom end, leaving only a small seed cavity; never bursts open at either end; can be safely shipped long distances in barrels or other large packages. Its attractive appearance insures ready sales in any market, and its good table qualities create at once a lively demand from customers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

NEW TRIUMPH—This superb new melon, which we offered for the first time two years ago, is the latest production of the raiser of the Columbus Muskmelon, named and introduced by us four years ago, and has given such universal satisfaction to all who have grown it. The Triumph is a cross between Columbus and Osage, combining all the good qualities of these two excellent melons, and is a very superior melon. The beautiful orange flesh is thick and luscious; ripens clear to the rind. The melons are medium to large size, and beautifully netted. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

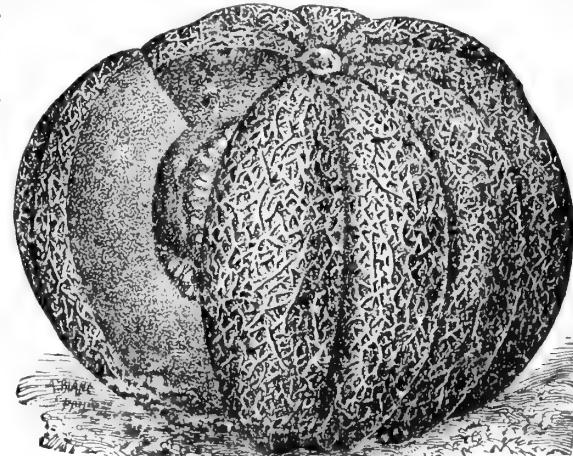
Champion Market—One of the Handsomest Melons Known. Very uniform in size and shape; densely netted; the flesh is thick, green in color, and of rich, sweet flavor; very productive, frequently bearing seven perfect, good-sized melons on a single vine, which mature quite early and ripen up finely. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Baltimore Nutmeg—Cantaloupe—Has a beautiful heavily netted, green skin; of good size; in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and sweet; very productive; and **never bursts open at blossom end**. Our stock is the large strain, which out-sells all others in the Baltimore markets. It is so solid that it can be shipped in large sized barrels without injury. In the height of the season whole boat loads of it are loaded daily at Baltimore for the Philadelphia and New York markets. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

The Banquet—Obtained by years of careful selection by the largest and most experienced grower in the world. A beautifully netted little melon of very good quality; flesh uniformly deep; color, dark, rich salmon. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

We can supply the following well-known varieties of Muskmelons at the uniform price of 5c. per packet. 20c. per $\frac{1}{4}$ lb., 65c. per lb.

Skillman's, Chicago Nutmeg, Improved Christiana, Reedland Giant, Delmonico, Cassaba, Long Yellow, Surprise, White Japan, Jenny Lind.

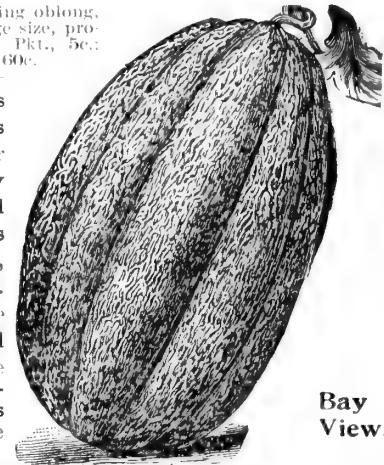


EXTRA EARLY HACKENSACK MELON.

Large Green Nutmeg—Round; large size; green flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Bay View—The leading oblong, green fleshed sort; of large size, prolific and of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

We invite Shippers and Large Growers for market to try our stocks of **Extra Early Hackensack, Netted Gem, Livingston's Market, Columbus, Baltimore and Osage**. We have an immense trade on these and know we can please you, because hundreds of your class favor us with large orders annually.



Bay View.

MUSKMELON—Winter Pineapple.

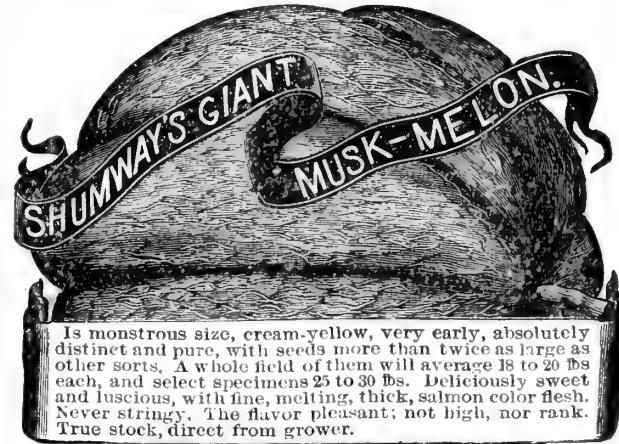
This remarkable melon is a native of Cassaba, Asia Minor, where melons of the finest quality in the world are grown, and from whence it was introduced into California by one of our customers. Its unique appearance is quite accurately represented by our cut, the skin being corrugated instead of netted, and in color a rich yellow, tinged with green. Its firm flesh is of a light green color and has a pronounced and agreeable pineapple flavor, is very rich and melting and can be eaten with a relish to the very outer skin. Its most valuable characteristic, however, is its wonderfully long keeping quality. The melons seldom ripen on the vine, but should be picked off

after the first frost, handled very carefully, and stored (like squashes) in a cool, dry place, where they will gradually ripen: as wanted for use bring into a warm room for a few days. In this way they can be kept in good condition until late in the winter. Plant in hills 5 x 5 feet, leaving finally two strong vines to a hill. Many specimens weigh from 15 to 16 pounds, and some 19 pounds—real beauties. When this melon is fed to hogs, milch cows, etc., good results are sure to follow. The seed we offer was grown by our friend in California, and can be relied on as *strictly first-class*. **Headquarters Seed**—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

D. W. Planter, Bimpton, Ohio, Sept. 29, 1895: "The seed I purchased from your house was all good. The Nabob Watermelon is quite an acquisition, and the Tip Top Melon is surely on top. You may expect my patronage in the future."

V. E. Rofter, Blaine, W. Va., March 10, '95: "The new Tip Top Melon is one of the best I ever grew."

Correspond with us for SPECIAL PRICES if Seed is wanted in Larger Quantities.



Is monstrous size, cream-yellow, very early, absolutely distinct and pure, with seeds more than twice as large as other sorts. A whole field of them will average 18 to 20 lbs. each, and select specimens 25 to 30 lbs. Deliciously sweet and luscious, with fine, melting, thick, salmon color flesh. Never stringy. The flavor pleasant; not high, nor rank. True stock, direct from grower.

25 LBS.

Shumway's Giant—PRICE, pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Watermelon.

Plant in hills eight to ten feet apart each way, with a shovelful of well-rotted manure mixed with the soil in the hill. If commercial fertilizer is used it should contain a large percentage of ammonia and potash. Plant eight or ten seeds in each hill, and, finally, when danger of insects is past, leave but three strong plants. **One ounce of seed for thirty hills; one to two pounds for an acre.**

TRUE ICE CREAM—The Great Home Market Melon—This Old Stand-by is our best general cropper for the home market; it has too thin a rind for shipping unless packed in straw. We have sold it for many years to our extensive Scioto Valley melon growers, for whom it brings the highest prices, and meets with ready sale regardless of other varieties that may be on the market, because it has become a great favorite with Columbus melon dealers and consumers. Few, if any, surpass a **True Ice Cream** for quality and productiveness. Medium early, fruit oblong, large size: rind, light mottled green; flesh, bright scarlet, solid to the center, melting and delicious. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 3 lbs. for \$2.00, *postpaid*.

Mr. H. E. Markley, one of the largest growers of melons in the noted Scioto Valley melon district, makes the following statement: "Your **True Ice Cream Melon Seeds** lead all others for purity and germinating qualities; we have used them for thirteen years. This variety outsells any other melon raised here. It is the best melon grown in this valley."

KOLB'S CEM—Large melon growers pronounce this one of the most successful shipping melons ever introduced. The rind, though quite thin, is very tough, standing shipment long distances without breakage. The flesh is bright red and of good flavor. It is one of the largest (30 to 50 lbs.), most productive and best keeping melons grown. **Our stock cannot be surpassed.** Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; 3 lbs. for \$1.25, *postpaid*.

FORDHOOK EARLY—An Extra Early Melon of Large Size. The form is nearly round; average weight, 35 lbs. The rind is tough, the outer color is uniform medium-green; seeds are white; the flesh is bright red and very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs. for \$1.50.

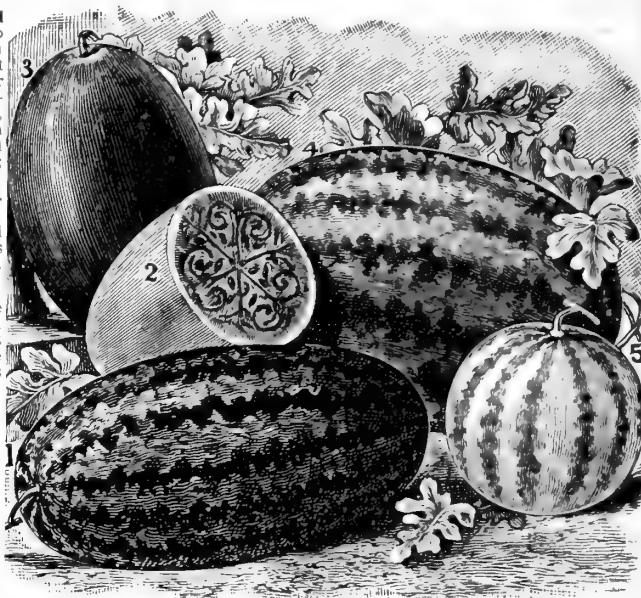
COLEY'S EARLY—New—Very hardy, a sure cropper, and extremely delicate in texture of flesh, which is of a dark red color; the rind is thin, and the quality of the flesh is sustained clear to the rind. It is, however, exceedingly brittle, hence not desirable for shipping purposes, but, possessing all the other most desirable features, we can highly recommend it for home use. Medium size, nearly round in shape, rind green, striped with lighter shades. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs. for \$1.50.

HOOSIER KING—A Melon with Excellent Qualities. The melons grow oblong, and are of an even diameter throughout their entire length. The flesh is brilliant red, very solid, sweet and luscious. The skin is striped light and dark green; the rind is very thin but **extremely hard**, which renders it a **valuable shipping sort**. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.; 3 lbs. for \$1.75.

DARK ICING—Prized on account of its excellent quality; very solid; rind very thin; white seed; flesh sweet and melting. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs. for \$1.50.

German—*Wasser Melone*.
French—*Melon d'Eau*.
Spanish—*Sandia*.

A light, sandy soil, with good exposure to the sun, is the best for Watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. If extra large melons are desired for exhibition purposes leave but one or two melons on a vine, and, finally, when danger of insects is past, leave but three strong plants. **One ounce of seed for thirty hills; one to two pounds for an acre.**



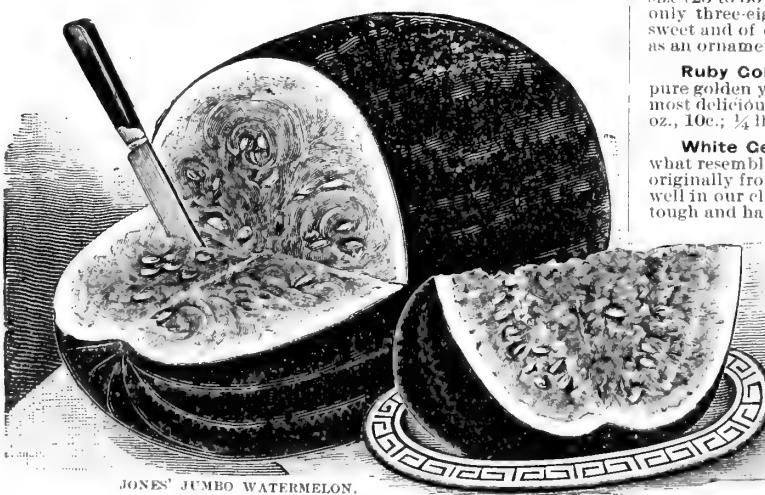
IMPROVED DIXIE—(4)—A beautifully striped melon which, few, if any, surpass for shipping or equal for the table, the flesh being very red, sweet and juicy; it is all that can be desired in quality, flavor, etc. We wish to call the shipper's attention to the fact that this melon will **hold** after it is ripe for several days and still retain its excellent qualities. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs. for \$1.50.

FLORIDA FAVORITE—(1)—A splendid oblong melon; ten days earlier than Koll's Gem; red flesh, of the finest flavor and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs. for \$1.50, *postpaid*.

Green and Gold—(3)—A golden-orange fleshed variety of good size (25 to 30 lbs.); early; productive; rind very thin, the white being only three-eighths to one-half inch thick; the flesh is juicy, very sweet and of delicious flavor. Its rich golden color makes it desirable as an ornament for the table. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Ruby Gold—(2)—A new, large, long melon; the flesh is solid, pure golden yellow, variegated with streaks and layers of bright pink; most delicious flavor and melts in the mouth like cream. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

White Gem—(5)—A new, round, white-skinned variety, somewhat resembling the well-known Russian Volga, but said to have come originally from China. Extremely hardy and productive, and thrives well in our climate; flesh, pink; delicious flavor; rind thin, but very tough and hard. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.



Jones' Jumbo Watermelon.

This variety is from Georgia, the home of the Watermelon. The color of the skin is solid green, and the flesh is a very bright red, particularly sweet, juicy and melting. It grows to a large size, sometimes attaining the weight of **eighty pounds**, with plenty of them at forty to sixty pounds. It is one of the best shipping sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs. for \$1.50, *postpaid*.

Hungarian Honey—Perfect globe shape; skin dark green; flesh deep red, stringless, and of the richest and sweetest honey flavor; extremely hardy and vigorous. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

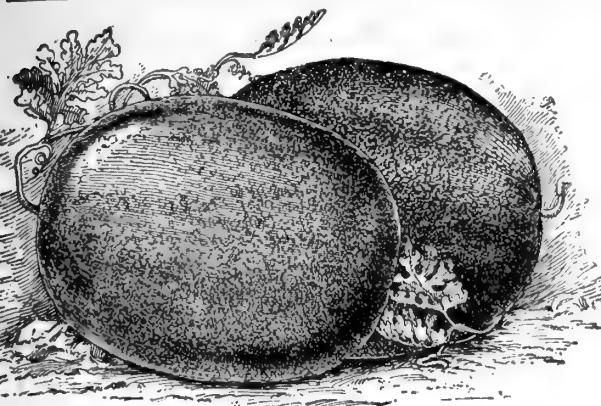
Preserving Citron—Red seed, used for sweetmeats and preserves; flesh solid and white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Colorado Preserving—Larger than the common Citron, weighing 25 to 40 lbs.; flesh very solid, and makes very clear, transparent preserves of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Turkish—The color is quite dark green, with stripes of light green running from pole to pole. These latter give the melons an appearance of being distinctly ribbed like a Muskmelon, when in reality the ribs are barely perceptible. It has a smooth skin; the quality is excellent; fine grained and sweet; medium in size; productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

Apple Pie—When stewed and made into pies it is an excellent substitute for apples. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

LIVINGSTON'S NEW NABOB WATERMELON—SEE NOVELTY PAGES.



NEW SWEET HEART MELON.

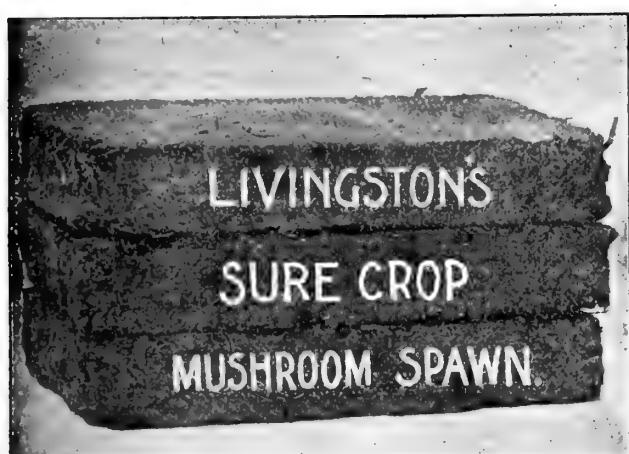
This new melon has created a sensation among commission men on account of its selling qualities. It seemed to sell itself even when melons were very plenty. In the field it has proved to be early, large, handsome, heavy and productive. The shape is oval and the color mottled light to very light green. Flesh bright red, solid, but very tender and sweet. We last spring paid Mr. Wittenmyer, the originator, a high price for some stock seed of his own careful selecting, and our crop has been grown entirely isolated so that it is as pure and true as the original, and no one has a better strain. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

SEMINOLE—One of the best large, long Florida melons. **Early, enormously productive, and of most delicious flavor.** It is of two distinct colors—gray and light green. Melons of both colors are exactly the same in size, shape, color of seed, flavor, etc. Melons of both colors are found on the same vine. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Mammoth Ironclad—Of immense size, handsomely marked, and oblong in shape; the flesh is red and very solid; the heart is large, and flavor delicious. Heavy yielder. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

Ferry's Peerless—One of the best for the home garden and for market gardeners who deliver direct to consumers. Medium size; flesh red; white seed; quality first-class. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Mountain Sweet—One of the oldest and best known; skin deep green; solid; large; rind thin; flesh deep scarlet. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.



French Mushroom Spawn—Put up in boxes of 2 lbs. each; price

MUSTARD.

German—*Senf*. French—*Moutarde*. Spanish—*Mostazoo*.

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like Spinach. Cultivate same as Cress.

Southern Giant Curled—This is very highly esteemed in the South where the seed is sown in fall and plants used very early in spring as a salad. Seed is brown; produces plants two feet high; forms enormous bunches. Pkt., 5c.; oz., 10c.; 1/4 lb., 15c.; lb., 40c.

White English—The leaves are light green, mild and tender when young; seed, light yellow. Pkt., 5c.; oz., 10c.; 1/4 lb., 15c.; lb., 40c.

Brown or Black Mustard—More pungent in flavor than the white. Pkt., 5c.; oz., 10c.; 1/4 lb., 15c.; lb., 40c.

New Chinese—A giant curled variety with leaves double the size of the ordinary. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

RED VAUCLUSE

—It is early, of large elongated size. The flesh is a bright crimson, **reddest of all** very sweet, not the least stringy; the seeds are also bright red. The rind, though thin, is very tough; is a glossy, dark green, beautifully threaded with a still darker green. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 65c.

PHINNEY'S EARLY.



PHINNEY'S EXTRA EARLY MELON.

Few, if any, of the early sorts of recent introduction surpass this **old favorite**. It is first to ripen; good size; productive; shape, oblong; rind a distinct, mottled color; the flesh is a deep red; a first-class early, market melon. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Pride of Georgia—Round in shape; striped light and dark green; uniformly of good market size; flesh bright red, and sweet. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

The Boss—Has a very black green skin, long in shape, large and very heavy; flesh solid and red; quality good. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

Cannon Ball—This is a splendid melon, very solid, so dark in color that it is almost black, and is as round as a cannon ball. Splendid for home use, small families, etc. Sells well, and gives satisfaction. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.

The Cragg—A Texas melon, very distinct in both inside and outside appearance. The color is dark green, with alternate stripes of lighter green, the whole being covered with a delicate tracery of dark veins. The flesh is of a delicate salmon tint, sweet, juicy, and melting, with a rich flavor. Large, oblong, just the right size for market. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 65c.

We can supply the following well-known varieties of Watermelon at the uniform price of—Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

Stokes' Early, **Light Icing**, **Cuban Queen**,
Vick's Early, **Delaware**, **Georgia Rattlesnake**,
Gray Monarch, **Black Spanish**, **Christmas**, **Orange**.

Mushrooms.

One of the most profitable crops for the outlay that can be grown; the market is sure, because the supply never equals the demand. Mushrooms can be grown in any dark room or cellar where the temperature can be kept at from 50 to 70 degrees. From some old pasture procure good rich soil and store it away. To every bushel of this soil add two bushels of fresh horse manure. Of this well mixed compound prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed 12 to 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover the bed with two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mushrooms. The beds will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, and cover with hay as before. The main conditions in Mushroom growing are proper and uniform temperature and very rich soil. One pound of spawn is sufficient for a bed, two by six feet. We would advise Mushroom growers, especially new beginners, to get a book on the subject, written in full by an experienced grower, such as **"Falconer's Mushrooms and How to Grow Them."** \$1.50, postpaid by us. We import our Spawn from the best makers in England.

English Mushroom Spawn—By mail, *postpaid*—Bricks of about 20 ozs., 25c.; 5 lbs. for \$1.00. By express, *at buyer's expense*—10 lbs. for \$2.00; 25 lbs. for \$2.50; 50 lbs., 9c. per lb.; 100 lbs. or over, 8c. per lb. per box, 75c.; by mail, \$1.00; the same loose, per lb., 35c.; by mail, 45c.

MARTYNIA.

A hardy annual plant, the seed pods of which, if picked when green and tender, make excellent pickles. Plant in May in the open ground about three feet each way, leaving but one plant in the hill.

Proboscidea—Pkt., 5c.; oz., 25c.; 1/4 lb., 75c.; lb., \$2.50.

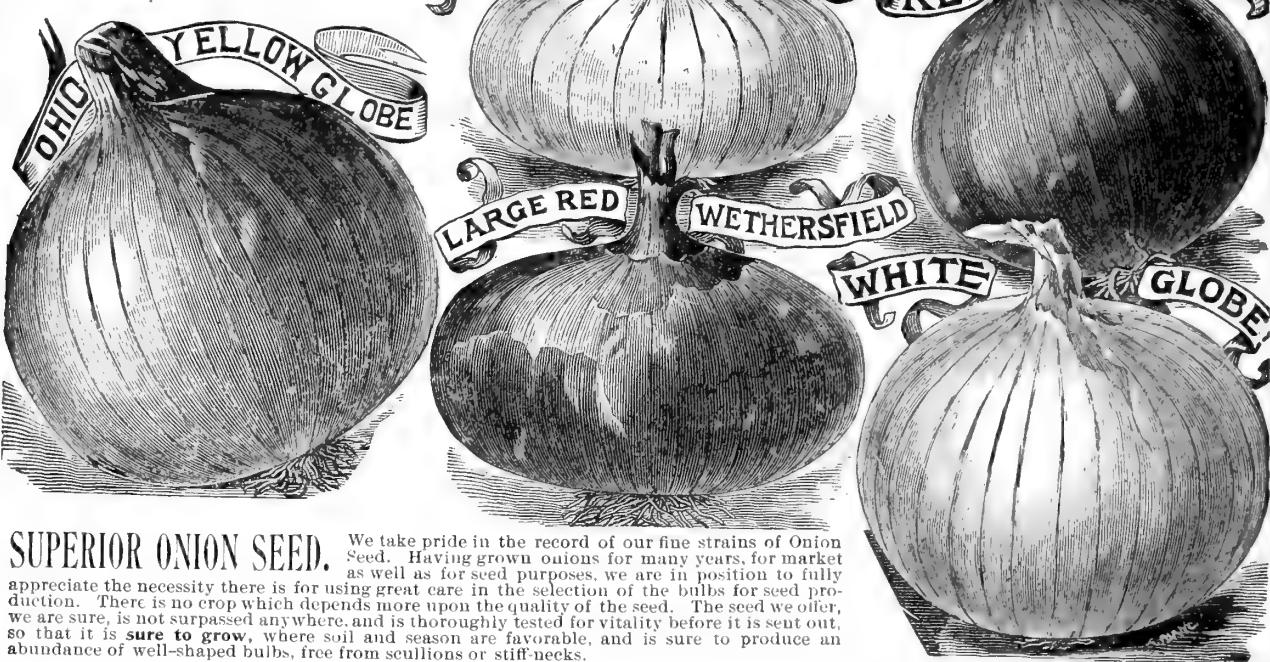
"Ohio Seeds" Down East.

John S. Lester, Woodstock, Conn., Oct. 5, 1896, writes: "Your Extra Early White Spine Cucumber, Crosby's Egyptian Beet, Cincinnati Radish and Tip Top Melon cannot be beaten. I have had the market entirely to myself."

Onions.

German—Zwiebel.
Spanish—Cebolla.

French—Oignon.



SUPERIOR ONION SEED.

We take pride in the record of our fine strains of Onion Seed. Having grown onions for many years, for market as well as for seed purposes, we are in position to fully appreciate the necessity there is for using great care in the selection of the bulbs for seed production. There is no crop which depends more upon the quality of the seed. The seed we offer, we are sure, is not surpassed anywhere, and is thoroughly tested for vitality before it is sent out, so that it is **sure to grow**, where soil and season are favorable, and is sure to produce an abundance of well-shaped bulbs, free from scullions or stiff-necks.

LOW PRICES. In consequence of having harvested a large and very fine crop of Onion Seed the past season, we have made below what we consider, at this time, extremely low prices; however, as there seems to be a general tendency to lower prices all along the seed line, we therefore request if any house of unquestioned reliability should offer their *best seed* for less, that you write us before placing your order, stating about what you desire to purchase, because our aim is to always sell at reasonable prices and as low as any in the trade *offering strictly first-class seed*.

FULL SIZED ONIONS THE FIRST YEAR. The seed we offer will grow full sized onions the first year. To do this they should be sown as soon as possible in the spring, no matter if the weather is cold, so the soil works up well. This gives them a good start ahead of the weeds and before dry, hot weather sets in. Sow thinly, four or five pounds to the acre, in drills one foot apart, and about $\frac{1}{4}$ of an inch deep, in

strong land, well manured; thin out to stand three or four inches apart in the drills, keeping them well hoed and free from weeds. Onions delight in strong, rich, deep, loamy soil, and succeed well if grown successive years on the same ground. To get **heavy crops 800** to 1000 bushels per acre) of **finest shape and high colored** bulbs, especially Danvers and other Globes, large quantities of the best rotted manure must be used: 15 to 20 cords would be none too much. If well-rotted manure is not to be had use a high grade of commercial fertilizer containing a large percentage of potash.

FALL SOWING. Seed can be sown in August and September, in drills, wide enough apart to admit of working; when the plants have grown of sufficient size to be fit for table use, thin out to four inches apart to secure a crop of large onions. **This plan works admirably in the South** but will not prove successful where the ground freezes deeply or is subject to constant changes of temperature in the Spring.

OHIO YELLOW GLOBE ONION. Our Extra Selected Stock.

Generally admitted by seedmen and Onion Growers everywhere as the most desirable strain of *perfect type globe shaped onion* in existence. We name it **Ohio Globe** to designate it from the many strains of Globe Danvers now offered; besides, to Ohio growers, especially on the Western Reserve, belongs the honor of producing, by many years of pains-taking care, selection and cultivation, this, *the finest strain of that extreme type of Globe* now so eagerly sought after by all the best growers, and so deservedly popular in all large onion markets. Its main points of excellence are *distinct and attractive shape, handsome, bright, even color; it ripens early and all at once*. The necks are *very small* and cure down to almost nothing. The firm, solid bulbs are *excellent winter keepers*, and all that can be desired in size and quality: *enormous yielders, 800 bushels (standard weight) per acre are frequently grown on rich onion land*. This is a *superb onion* for all classes of soil (when well enriched) and especially good for muck lands on account of its quick maturing qualities. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.90; 4 lbs. for \$7.00, postpaid.

OHIO GLOBES IN NEW YORK STATE.

G. J. Joslin, Tiashoke, N. Y., writes, Jan. 17, 1896: "I have received your catalogue. You have not done justice to your *Ohio Yellow Globe Onion* in the cut. I can show you prettier globe-shape from your own seed, which I raised last year. I took first premium at the Cambridge Fair on Ohio Globes in 1894, and eight premiums on vegetables this year."

W. P. Dixon, Sweet Home, Ark., Feb. 2, 1896: "We grew onions from an ounce of Prizetaker seed purchased of you last year. They did well, and we like them better than any we ever raised before."

YELLOW DANVERS GLOBE—Extensively grown as a main crop in many sections of the country. It is a beautiful golden color; bulb medium size, quite early, bottom nearly flat, oval top, with small neck; very prolific, and a first-class keeper and shipper. The strain we offer of this popular variety can be excelled only by our *Ohio Yellow Globe*. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.10.

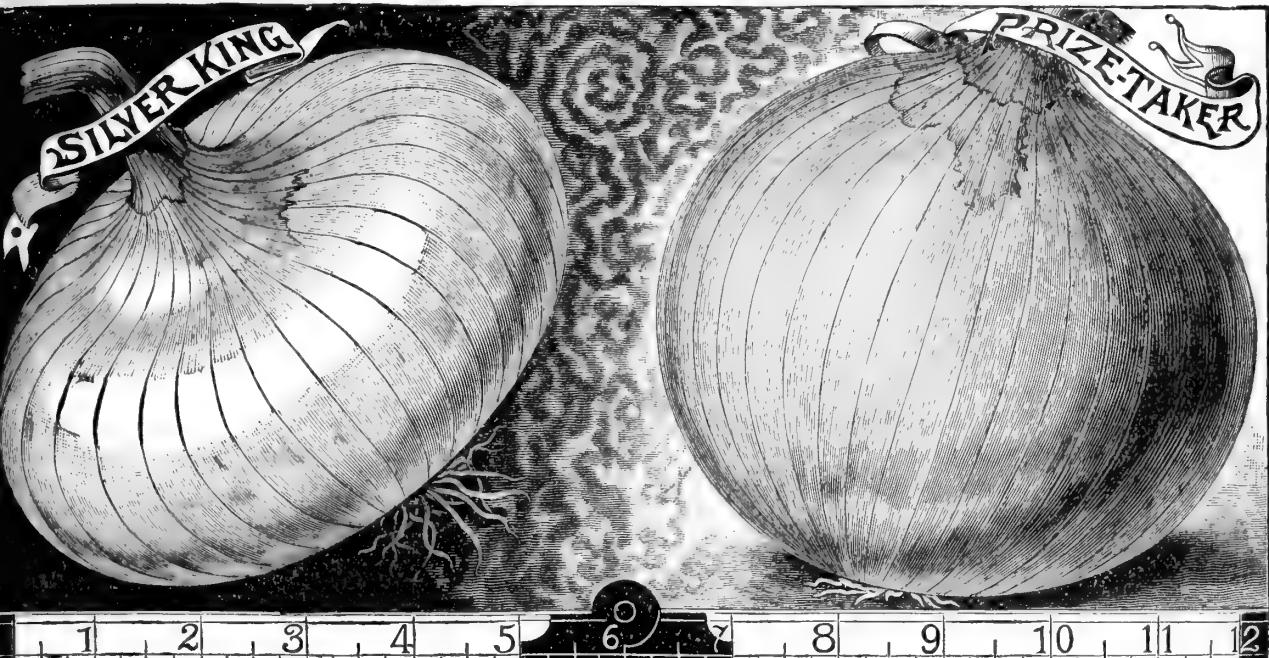
YELLOW DANVERS FLAT—A splendid onion for either market or home use; flatter than the Globe Danvers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

LARGE RED WETHERSFIELD—For general purposes the country over, no red variety is so largely grown, and more especially in the East, where immense crops are raised for shipment. Large sized, somewhat flattened; skin deep purplish red. It is one of the best keepers. We have grown it on various soils for over thirty-five years and cannot recommend it too highly as a general cropper and variety that will do well anywhere that large onions can be grown. It yields enormous crops when the conditions are favorable. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

EARLY RED GLOBE—A very handsome variety, and deserving of general cultivation. It matures very early, grows to a good medium size, and keeps well; skin deep red; flesh fine grained; flavor mild; tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.10.

WHITE PORTUGAL, OR SILVERSKIN—Ripens early; of large size, mild in flavor, and excellent for winter use; much esteemed for pickling when small, and grows a *handsome, good keeping* set when sown too thick to grow big onions. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

LARGE WHITE GLOBE—By careful selection and cultivation we have developed this **handsomest of all** white varieties until it is second to none as **a good keeper**. Yields abundantly, producing very handsome large, pure white, globe-shaped bulbs; flesh firm, fine grained, of mild flavor, and is in many respects superior to the ordinary Silver Skin Onion. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.85.



MAMMOTH SILVER KING—Of attractive shape, with silvery-white skin and flesh of a most agreeable mild flavor. It matures quite early and reaches a much larger size than any other of the flat white varieties, frequently measuring twenty inches in circumference and weighing from three to five pounds when well grown. They *must be sown thinly* to produce large onions. We have sold this onion for ten years, and do not hesitate to recommend it as one that is *sure to please the grower*. **TRUE AMERICAN GROWN SEED**. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.90.

PRIZE TAKER—This is the large, beautiful Spanish variety sold in the fruit stores and in the markets of all large cities. They are of enormous size, averaging from 14 to 16 inches in circumference. Although of such great size, it is very hardy, and a good winter keeper. The outside skin is of a rich yellow color, while the flesh is white, sweet and tender. They bottom well, are free from stiff necks, and have produced more bushels of marketable onions to the acre than any other variety known in America. In market it attracts attention, and sells readily at advanced prices. **TRUE AMERICAN GROWN SEED**. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.60.

Beware of Foreign Grown Seed of above Varieties. It does not Compare with Our Home Grown Stock in Purity, etc.

Extra Early Red—A good medium sized, flat variety, very uniform in shape; smaller than Red Wethersfield, but about two weeks earlier; it is an abundant producer; good keeper; very desirable for early market, and good where seasons are short, on account of its rapid growth requiring a short time to mature it; *grows a handsome shaped set* when planted very thick. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Yellow Dutch, or Strasburg—The well-known flat, bright yellow onion; a good keeper; later and larger than Danvers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

FREE TO CUSTOMERS.

(10 cents to Others.)

On application we will send full and complete instructions

HOW TO GROW ONIONS.

both by the ordinary method, as well as by the New Trans-planting System.

Southport Large Yellow Globe—Very large, fine color, and keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Southport Large Red Globe—Large and distinct in form, being nearly globular. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Philadelphia Strasburg—A splendid yellow variety of fair size; used extensively for set growing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

Philadelphia Silverskin—A good white for set growing. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

OHIO YELLOW GLOBE ONIONS ON MUCK.

OHIO YELLOW GLOBE is by far the best strain of Yellow Onion for marsh or muck land crops, and is as good as any Yellow for other soils. Five years ago we "set our heads" on having the best colored and nearest up to regulation shape of this special type of Globes that it was possible to produce. By most careful selection of the bulbs, growing the seed on a farm separate from all other varieties of onion, and making every year a special personal selection of each and every bulb for type, color, etc., and growing them for seed stock for the next crop of seed onions on our trial farm near this city, we have succeeded, not only to our own entire satisfaction, but to that of many of the largest, most critical and best posted onion producers in this country.

One grower, whose crop was something over 10,000 bushels the past season, writes us that two ears, grown from our Special Selected Ohio Globe Seed, were by far the finest ears shipped from their marsh this season, and acknowledged by all the growers as being the most uniform in shape, size and color, and the grower further stated that we would reap a great harvest in the sale of our seed in that locality.

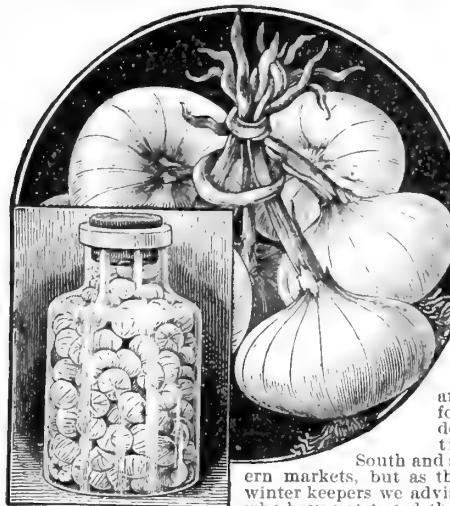
This speaks high praise for our Ohio Globes, because thousands of acres of onions have been annually grown on this marsh for the past ten years or more, and "crack strains" of Yellow Globes from every seedsman and onion seed specialist in the land have been given the most thorough tests by these expert growers. The onion growers located on this Marsh have come in from the many old onion-growing sections of the country, and their judgment of what constitutes a good onion is not to be questioned. *For Description and Price see opposite page.*

SPECIAL PRICES on Onion Seed in any Quantity over what is here quoted will be promptly given on Request.

We are **SPECIAL AGENTS FOR PLANET JR. DRILLS AND CULTIVATORS**. The Best Make for Onions.

We offer **SPECIAL INDUCEMENTS** to those wanting a Seed Drill or Cultivator in connection with Onion Seed.

SPANISH AND ITALIAN ONIONS.



EXTRA EARLY BARLETTA.

South and shipped to northern markets, but as they are not good winter keepers we advise growers North who have not tested them to rely chiefly on the American Onions for their main crop. All Spanish and Italian varieties are sweet and mild flavored, more so than the American Onions, and are of very rapid growth.

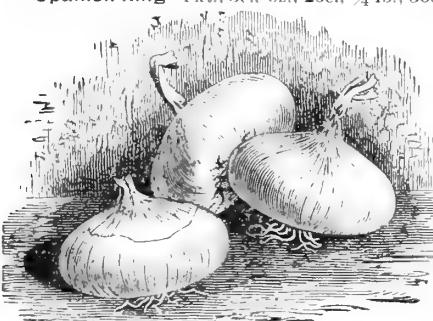
Extra Early Barletta—The very earliest onion in cultivation. When matured the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method. Pkt. 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Round White Silver Skin—Uniformly small, round and handsome, with an opaque white skin which does not turn green upon exposure to the sun. They are compact and hard, but at the same time crisp and brittle, making them one of the best pickling onions ever introduced. Pkt. 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Neapolitan Maggiolajo—(Italian May Onion)—A large, flat, beautiful, silve-white skinned variety; one of the earliest of all. Can be sown in February or March and will mature a crop very early; or if sown in July the crop will be matured the same season. In the South the seed can be sown in autumn, and large onions gathered in March. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Mammoth Pompeii—(Red Garganus, Copper King)—A very fine variety. It has produced onions weighing four or five pounds each. The skin is a delicate red, flesh close grained and nearly white, and of very mild flavor. Pkt. 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Spanish King—Pkt. 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.



WHITE QUEEN.

White Victoria—A beautiful, large round variety with silver-white skin, but sometimes of delicate light rose-color; flesh juicy, sweet, and milky white. A good keeper. Pkt. 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Extra Early Pearl—("Silver White Aetna," "Bloomsdale")—A very fine and very early variety. The bulbs, when well grown, are large, round, flattened, with a delicate pure white skin; flesh very mild in flavor. Pkt. 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Giant White Italian Tripoli—(El Paso, or Large Mexican)—Of large size and most beautiful form, with fine white skin. If sown early in hotbed and transplanted, they grow enormous in size. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Red Mammoth Tripoli—Similar in size and shape to Giant White Tripoli. Skin thin and of rich, blood-red color; flesh white, fine grained, mild and pleasant. Pkt. 5c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.10.

Ciant Rocca—Light brown skin, globular in form, flesh tender and mild. It will produce an immense onion from seed the first season. To attain the largest growth the smallest bulbs should be set out the next spring, when they will continue increasing in size instead of producing seed. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Ciant White Rocca, or Silver Ball—One of the handsomest, and sells readily in market at high prices. Flavor mild and delicious. Pkt. 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

The following varieties have been tested in all sections of the United States and have given good satisfaction. We recommend them as very desirable for summer and autumn markets, because they generally command ready sales at good prices, especially when grown by the transplanting method; they are also valuable for the family garden. Large quantities are grown

BERMUDA ISLAND ONIONS.

Bermuda Island Red—(Teneriffa)—A very early pale red onion, grown extensively in the Bermudas and southern part of the United States for early shipping to northern markets. Grown in our climate, the bulbs are smaller, but mature early and retain much of the mild, sweet flavor of the imported ones. Pkt. 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Bermuda Island White—Mild flavored; white in color; otherwise same as red. Pkt. 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

ONION SETS.

Bottom Sets are produced by sowing the seed very thickly (40 to 60 pounds to the acre) as early as the ground can be worked in the spring, in beds or broad drills, and not thinning out. About the middle of July, or whenever the tops die down, usually when about half an inch in diameter, they are pulled and allowed to remain on the ground a day or two, when the tops should be wrung off by hand, put into shallow trays or spread thinly in a dry loft; sets should be planted out as early in the spring as the ground is dry enough to work, in rows one foot apart, with sets two inches apart; the onions can be used in the green state in June and will ripen in July.

Top Sets, or Buttons—("Toppys")—These produce the small clusters on the top of the stem, where seed is produced in the common kinds. These small ones are planted in the spring and the result is large onions, and these large ones, with one year's growth, produce the clusters on top.

Winter, Egyptian, or Perennial Tree—When once set out it grows for years without protection or care, except in keeping down the weeds. It starts so early in the spring that it is ready for use a long time before any other onions can be had. It is mild-flavored, sweet and tender. They form no large bulbs, but divide and grow as many as fifteen or twenty small onions in one bunch. Desirable for family use, and very profitable for market gardeners.

POTATO ONIONS—Esteemed by many as the best for early use; large size, mild, sweet flavor, very early, and large producers; the small bulbs are planted in the spring and increase in size, and the parent bulb, planted in the fall and spring, produce a quantity of small bulbs in a cluster, growing mostly on the top of the ground.

WHITE MULTIPLIERS—Are of a pure silvery-white color, enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted; of excellent quality and size for bunching green, or can be ripened for use as pickling onions. Their keeping qualities are remarkable, but their most important quality is their extreme earliness, being ready for market three or four weeks ahead of other onion sets.

ONION SET PRICES—Prices are based on the present market rates and are subject to change, according to the market, without notice. The market fluctuates very much, hence we do not care to make a fixed price. Lowest market prices on small or large quantities will be given on application at any time. At bushel, peck and half-peck prices the buyer pays the express or freight; at pint and quart prices we pay the postage.

	Pint.	Quart.	$\frac{1}{4}$ Peck.	Peck.	Bushel
Potato Onions	15c.	25c.	50c.	75c.	\$2.50
White Multiplier	15c.	30c.	50c.	90c.	3.25
Top Sets, or Buttons	15c.	25c.	50c.	75c.	2.50
White Bottom Sets	15c.	25c.	50c.	75c.	2.50
Yellow Bottom Sets	15c.	25c.	40c.	65c.	2.00
Red Bottom Sets	15c.	25c.	45c.	75c.	2.50
Egyptian Winter Sets	15c.	25c.	25c.	40c.	1.25

Bottom Sets and Potato Onions are sold by measure. White Multipliers, Button and Egyptian, by weight, 28 pounds for a bushel.

If you want larger lots than quoted above, write us, and we will make you lowest market price at the time, for choice stock.

We handle sets in large quantities.

OKRA, OR GUMBO.

One of the most wholesome vegetables of the South. The pods, when young, make a fine soup of themselves, or with other ingredients, and when pickled are a fine salad. Plant seed after the ground is warm, thickly in drills 3 feet apart, thinning to one foot. Make early and late sowings to secure supply throughout the season. No trouble to grow in any good garden soil.

White Velvet—Decidedly the best variety. Distinct in appearance; unlike other varieties, pods are not ridged, but perfectly round, smooth, an attractive white velvety appearance, of superior flavor and tenderness. Comparatively dwarf, of compact, branching growth; the extra large pods are produced in great abundance. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



WHITE VELVET OKRA.

PEPPERS.

German—*Pfeffer*.
French—*Piment*.
Spanish—*Pimenta*.



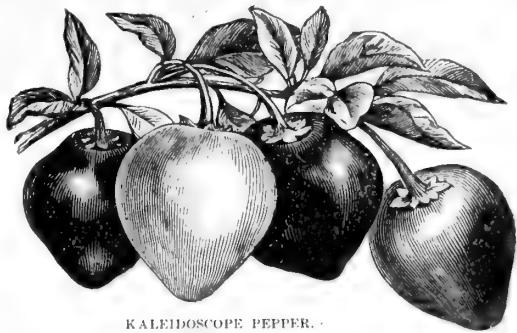
MAMMOTH RUBY KING.



CARDINAL PEPPER.

six to twelve handsome fruits. They should not be grown near the hot varieties or they will partake of their fiery nature. **Choice Seed**—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25

Giant Yellow King Mango—New Golden Pepper, an exact counterpart, except in color, of the famous **Ruby King Pepper**, which has so steadily gained in popular favor the past ten years. The beautiful healthy plants bear large, handsome fruits, of a most attractive, bright yellow. The flavor is unsurpassed, exquisitely mild and pleasant. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.



KALEIDOSCOPE PEPPER.

Kaleidoscope—A novel and beautiful sort, having long wavy branches, loaded with drooping fruit. From the time the peppers form until fully grown they are of a light yellowish cream color. When fully grown they commence to change color, first to a lovely canary yellow, then to a deep orange, then to rose or pink, and so on through different shades until they are an intense scarlet; a plant bearing hundreds of peppers showing six or eight distinct colors, is an object of great beauty. Grows freely in the garden or in pots. Its flavor is clear and sharp. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

New Fancy Wrinkled—Excites admiration on account of their distinct and peculiar form and various colored fruits, *deep orange, vivid scarlet, lemon yellow*; a profuse bearer, flavor sharp. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

County Fair—Hard to equal in quality and productiveness. Its striking, handsome appearance at once arrests the eye, whether in the market or on the exhibition stand of an agricultural fair. Of medium size, very solid and "meaty," and of sweet, sprightly flavor. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Procop's Giant—This new variety is the "Goliath" of the pepper family. They grow uniformly to a very large size, of brilliant scarlet color, and in flavor just hot enough to be pleasant. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Celestial—A most useful pepper and one of the most beautiful plants in existence. The plant begins to set peppers early and continues until frost, branching freely and bearing profusely. The pods are upright, conical in shape, and of a delicate creamy yellow, and when fully grown change to a vivid scarlet, making a plant striking beauty and oddity. Peppers are two to three inches long, sharp flavor, and superior for any of the uses to which pepper can be put. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Orange Mammoth Sweet—A very large yellow sort, of fine shape, mild and excellent for mangoes. Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

Golden Dawn—Productive and handsome yellow variety, almost exempt from fiery flavor. Not so large as Orange Mammoth. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

Large Bell, or Bull Nose—An early variety of mild flavor; rind thick and fleshy. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

Large Sweet Mountain—Very large and excellent for mangoes. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

Cayenne—For making Cayenne Pepper Sauce. Small; pungent; used more than any other for making pepper sauce. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Long Red—Beautiful and productive, four inches long and an inch or more in diameter; flesh thick and pungent. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

Squash, or Tomoto Shape—Fruit large, round, flesh thick, and mild flavored. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Red Cluster—Its distinct and brilliant scarlet fruit is curiously crowded together in bunches or clusters at the top of each branch. A single plant bears hundreds of handsome, hot and pungent peppers. Its bright colored fruit ripens early and makes a charming contrast with its deep green leaves. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

Cherry Red—Fruit small, round, color rich scarlet; very hot. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

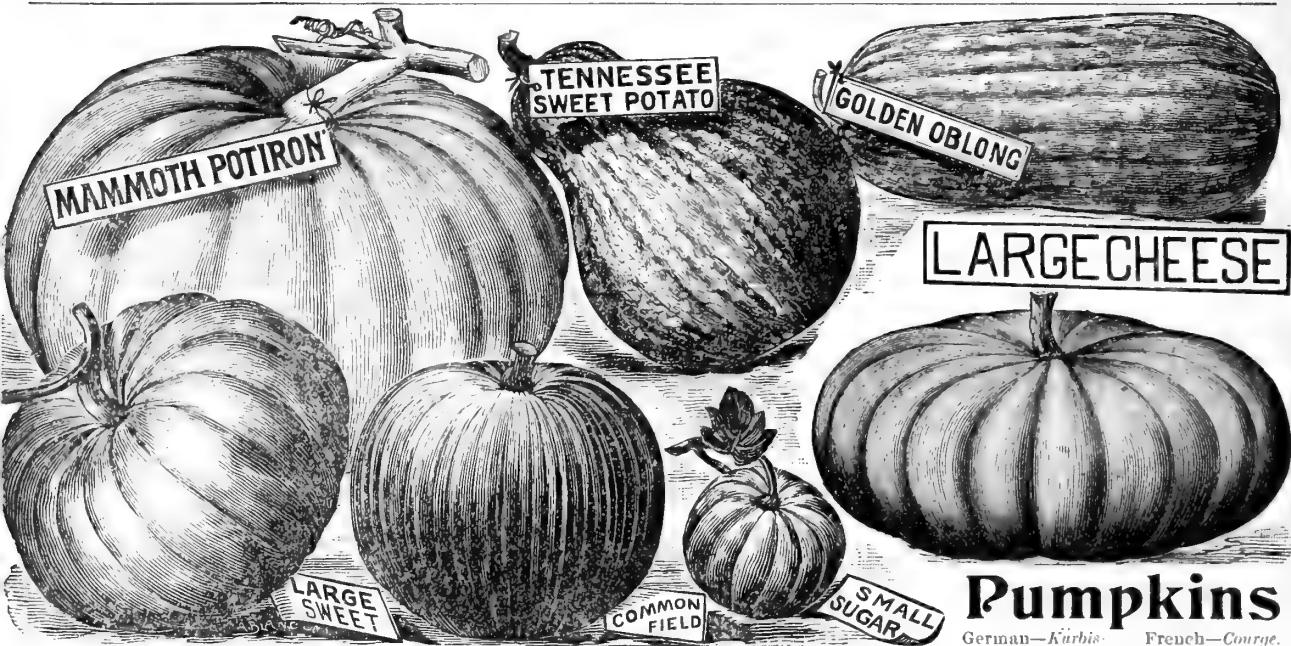
Red Chili—For making pepper sauce, "hot as fire," small and pungent. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Coral Gem Bouquet—Its beautiful little pods of shining red are so thickly set as to give the appearance of a bouquet of corals. A splendid sort for making pepper sauce, and makes a ready selling plant when grown in pots. Pkt., 5c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.

Sweet Spanish—One of the largest and earliest varieties; flesh sweet and mild. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Cardinal—A new pepper with long, curved, tapering pods, about two inches thick at the stem end; very sweet and tender, and exceedingly handsome. Nothing equals it in depth, purity and brilliancy of color. It is worthy of cultivation for its beauty alone. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

Colden Queen—This is a very beautiful and a large variety. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.



PUMPKINS are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner, though on a larger scale. They are generally raised in fields of corn and potatoes, and may be planted with success in fields by themselves, in May or early June, in hills eight feet apart each way. **One ounce for 15 hills; one pound for an acre.**

Genuine Mammoth or True Potiron—(See Cut)—Also called King of Mammoths, Large Yellow Mammoth, Mammoth \$50 Pumpkin, Jumbo Pumpkin. Form like an immense Nutmeg Melon with depressed ends, slightly ribbed and grows to immense size—three feet or more in diameter. Skin salmon-colored; flesh bright yellow; fine grained; good quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Large Common Yellow Field ("Yankee Cow Pumpkin")—Easily grown alone or in the corn; *hardest of all Pumpkins*; good for pies; splendid stock pumpkin. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.

Tennessee Sweet Potato—Excellent for pies; pear shaped; medium size; flesh and skin creamy white; fine grained; sweet and delicious; first-rate keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Large Sweet or Pie—Not so flat as Cheese, larger, very heavy, thick meat and sweet. More generally grown in Ohio than any other, both for feeding stock and table use. Skin dark orange, sometimes mottled with green. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Mammoth Tours—A productive French variety, growing to an immense size, often weighing over 100 pounds. Grown for cattle and table use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Black Sugar (Negro, or Nantucket Pie)—A good "Pumpkin Pie" Pumpkin. Oblong in shape, with ten or twelve prominent ridges from stem to blossom end; skin very dark green, almost black; flesh orange color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Mammoth Etampes Bright Red—This giant variety grows to enormous size; a bright glossy red color; splendid to grow for stock and exhibition purposes. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Small Sugar—Very prolific; eight inches in diameter; deep orange yellow; fine grained; keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Large Sweet Cheese—Fine for pies; productive; flesh yellow; sweet; keeps well into winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Parsley.

German—*Petersilie*. Parsley is used French—*Persilie*. for seasoning Spanish—*Perejil*. soups, meats, etc., for salads

and garnishing, also for an ornamental border for the flower garden; it succeeds best in a rich, mellow soil. As the seeds germinate very slowly, three or four weeks elapsing sometimes before it makes its appearance, it should be sown early in the spring in rows one foot apart; sow thick and cover half an inch deep; finally thin to 5 or 6 inches in the rows or transplant and cut back frequently. For winter use protect in a frame or light cellar. **One ounce for 150 feet of drill.**

Fine Double Curled—A fine dwarf variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Champion Moss Curled—Very beautifully crimped and curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Plain—The leaves are plain; it is harder than the curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Extra Curled Emerald—Distinct from other varieties, being a lighter shade of green. The plant is dwarf, with leaves finely cut and curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Fern Leaved—Very beautiful; more like crested fern or moss than Parsley; grand for table decoration. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Hamburg, or Turnip-Rooted—A fleshy rooted kind; the roots are used for flavoring soups. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Pumpkins

German—*Kürbis*. French—*Courge*. Spanish—*Calabaza*.

Golden Oblong—(See Cut)—Outer color a rich golden-orange; almost as good a keeper for winter as the hard-shell squashes; the fruit, when young, is dark green and changes to a rich golden-yellow; flesh yellow, very rich, and fine quality; pronounced by layers of pumpkin pies *the very best*. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Japanese Pie—Crock-necked variety with extremely small seed cavity; nearly all solid meat; quality extra fine. Seeds distinct in appearance, being curiously sculptured in the manner of Chinese letters. Productive; ripens early; medium size; good keeper. Easily cut and dried like apples, and makes excellent pies or sauce for winter use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Parsnip

German—*Pastinake*.
French—*Panais*.
Spanish—*Pastinaca*.

Sow as early in the spring as the weather will admit, in drills fifteen inches apart and half an inch deep, in rich, well manured ground, well dug. Cultivate similar to Carrots, and thin out to 6 inches apart in the rows. The roots improve by leaving them in the ground over winter, securing enough in pits or the cellar for immediate use. **One ounce to 200 feet of drill, 5 or 6 pounds for an acre.**

LARGE SUGAR OR HOLLOW CROWN (Improved Guernsey)—The best variety in cultivation for general use, roots intermediate in length, white, smooth, sugary; excellent flavor; easily harvested. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

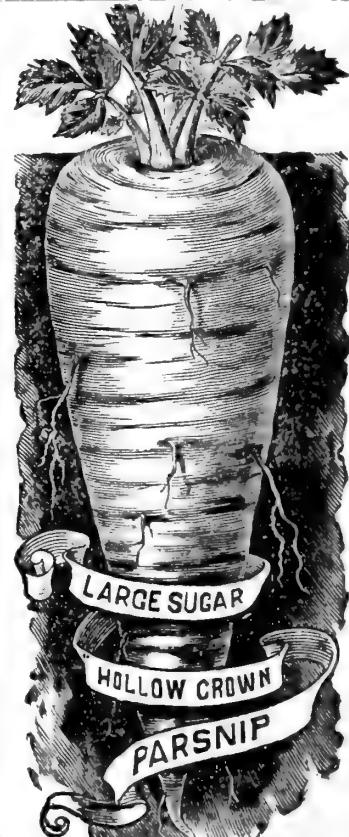
Long White Dutch—Roots very long and smooth; hardy and keeps through winter without protection. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Maltese Half-Long—Shorter than Hollow Crown; better for shallow ground. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

"Honor Bright"

Tomato,

SEE NOVELTY LIST.



PEAS

German-Erbs. French-Pois.
Spanish-Guisante.

PEAS mature earlier in a light, rich soil; for a general crop, a rich, deep loam, or inclining to clay, would be best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, use well rotted manure; for the dwarf varieties you can hardly make the soil too rich. When grown for a market crop they are seldom staked or brushed, but are sown in single rows one inch apart and 3 to 5 inches deep, the depth depending on the time of sowing, nature of soil as well as variety. Rows should be from $2\frac{1}{2}$ to $3\frac{1}{2}$ feet apart according to variety, soil and manner of culture desired. When grown in gardens it is best to sow in double rows, 6 or 8 inches apart, the tall ones requiring brush, which is stuck in between the rows. Commence sowing early varieties as early as the ground can be worked in the spring, and continue for a succession every two weeks up to June, discontinuing until the middle of July, when a good crop can usually be secured by sowing the extra early and early sorts. It is best to make late planting on sandy soil as there is some danger of mildew at this season when planted on heavy land. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. Wrinkled varieties are not as hardy as the small, hard sorts, and if planted early should have dry soil and not planted deep or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. **One quart sows 80 feet of drill. Two or three bushels to the acre.**

Pride of the Market—Has a stiff vine of medium height, bearing at the top, generally in pairs, a good crop of dark green pods well filled with large peas of good flavor; season *medium late*. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.50; bus., \$5.50.

Stratagem—Half dwarf; green wrinkled; vigorous, branching habit; under favorable conditions an enormous cropper. Pods long, filled with from seven to nine *extra large* peas; season *medium late*. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.50; bus., \$5.00.

Telegraph—(Long Island Mammoth)—A strong grower, producing large pods, filled with big peas, which, when cooked, are of a deep green color, and of very fine flavor. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.25; bus., \$4.50.

Sanders' Marrow—A tall, late and immense cropping variety. The pods are produced in pairs, and are well filled with large, wrinkled peas; the largest of any; quality sweet and delicious. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.50; bus., \$5.50.

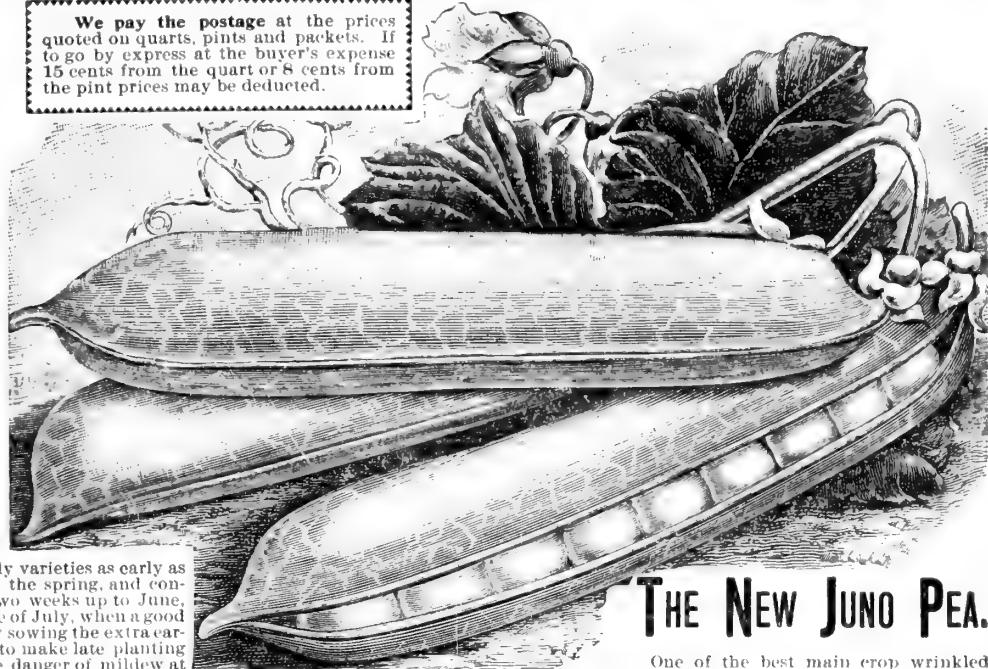
Duke of Albany—One of the very largest and best grown. Handsome, large, well filled pods, borne in great profusion. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.50; bus., \$5.50.

Abundance—A second early, and one of the best half dwarf, 15 to 18 inches high; pods large, containing six to eight wrinkled peas of excellent quality. Sow seed thin, six inches is the proper distance, as it has a remarkable tendency to branch. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.20; bus., \$4.25.

WILLIAM HURST—It is one of the hardiest, most prolific, and best varieties of first early dwarf wrinkled peas we have ever seen: it is ready for the table as early as the *American Wonder*, and is *much more productive*; grows stocky, 8 to 12 inches high, with abundant foliage, of a rich, dark green color. The scimitar-shaped pods average three inches long, and are well filled with large peas, each pod containing six to eight, so closely packed that the peas are flattened against each other. Quality the *best*; rich, sugary and delicious in flavor. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.60; bus., \$5.50.

Alaska—This *beautiful blue* market pea has become a standard variety, and is the *earliest of all blue peas*; twenty inches high; very uniform, maturing the crop for one picking; of excellent quality, and retaining its desirable color after cooking. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.00; bus., \$3.75.

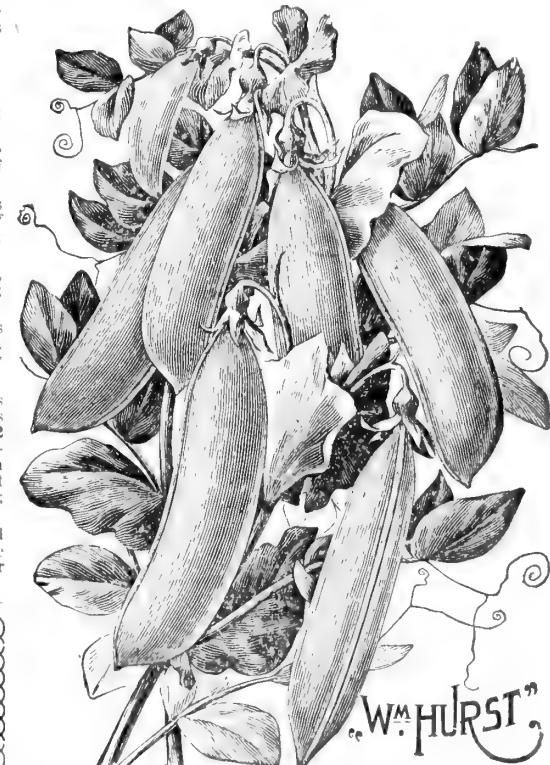
We pay the postage at the prices quoted on quarts, pints and packets. If to go by express at the buyer's expense 15 cents from the quart or 8 cents from the pint prices may be deducted.



PODS OF THE JUNO.

THE NEW JUNO PEA.

One of the best main crop wrinkled Peas of its class, to-day. It has a stout, robust vine and **straight**, heavy, square pods, usually borne in pairs. The pods are very thick, broad-backed and filled from the stem to the tips with seven to nine sweet, delicious, **dark green** peas of immense size; height two feet, season from medium early to main crop. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.40; bus., \$5.25.



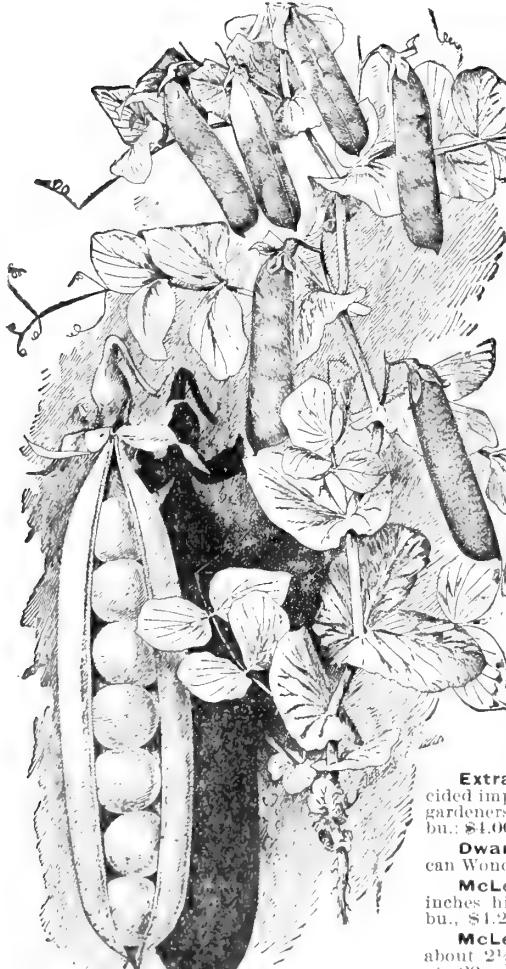
PACKETS of PEAS or BEANS, put up to sell at 5c. postpaid are "TOO SMALL FOR ANY USE," we therefore put up liberal sized packets at 10c., postpaid. We prefer to please our customers rather than disappoint them.

PACKETS DOUBLE THE SIZE.

Mrs. J. Leavengood, Mound, Ohio, April 9, 1896, writes: "I have been using your seeds for some years, found them true and reliable. PACKETS large size, about DOUBLE THE SIZE OF THE ORDINARY."

LARGE PACKETS, LIVINGSTON'S AHEAD.

J. H. Billingsley, Hedges, Ohio, March 3, 1896, writes: "I send you my *sixth* order for garden seeds, can say that for superior seeds and LARGE PACKETS Livingston's are at the head."

P
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NOTT'S EXCELSIOR PEA.

Livingston's First in Market Pea.

Several years ago, when we introduced this variety,

the name was chosen because it was an appropriate one for this, the earliest of all the very early peas. It means **first peas in market** and **first money** to every one who grows from this stock for market purposes, and the farmer who plants it is sure of the first mess of green peas in his neighborhood. It is **very profitable** for the **gardener** and **shipper** because it is very early, ripens uniformly, so that all the pods may be picked within seven weeks from the time of planting, and that at one picking. No brush or other support is required, as they seldom, under any circumstances, grow to exceed 20 inches in height. The pods are handsome, straight, and full of medium sized round peas of first-rate quality, and it is immensely productive for so early a variety. We have been carefully looking into the **real early** pea subject and testing the various "strains" and "brands" on the market for years, until we are convinced, as well as our customers who have given them a trial, that **First in Market** leads all. **PRICE BY MAIL (postpaid)**, pkt., 10c.; pt., 20c.; qt., 40c.; 2 qts., 75c. **BY EXPRESS OR FREIGHT (not paid)**, 4 qts., 65c.; pk., \$1.20; bu., \$4.00.

Nott's Excelsior Pea. This is a fine new **Extra Early Dwarf Green Wrinkled Pea**. In earliness it equals American Wonder; in height, about 15 inches; in quality equal to Premium Gem, and as a crop, it excels either. In a comparative test, with above side by side, the **Nott's Excelsior** yielded **one-quarter** more pods, by **measure**, and by **weight** **one-third** more, which shows conclusively that the pods of **Nott's Excelsior** are more compactly filled with peas; a great yielder, because it can be planted so much closer than tall-growing sorts. On good soil we think it would out yield Champion nearly two to one. *Our stock was grown from seed stock direct from Mr. Nott.* **PRICE BY MAIL (post paid)**, pkt., 10c.; pt., 25c.; qt., 45c. **BY EXPRESS OR FREIGHT (not paid)**, 4 qts., \$1.00; pk., \$1.75; bu., \$6.00.

AMERICAN WONDER—The leading dwarf pea in point of earliness, productiveness, flavor and quality. Of dwarf and robust habit, growing about ten inches high, and produces a profusion of good-sized, well-filled pods fairly packed with the finest flavored peas. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.40; bu., \$5.00.

American Champion—One of the **earliest of all**; productive, and its flavor and quality closely approaching that of the well-known Champion of England. The pods are extremely large, produced in pairs, and are well filled; each pod contains from nine to twelve large, fine peas. A tall growing sort of branching habit, and should be planted thin. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.50; bu., \$5.50.

Champion of England—A universal favorite and admitted to be one of the best peas grown; delicious flavor, profuse bearer of large pods filled well with large, green wrinkled peas; four feet high. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.00; bu., \$3.50.

Extra Early Premium Gem—Very fine dwarf Pea of Little Gem type, on which it is a decided improvement; larger pods and more productive. Profitable early wrinkled pea for market gardeners, and for family use there is none better. Pkt., 10c.; pt., 25c.; qt., 40c.; pk., \$1.10; bu., \$4.00.

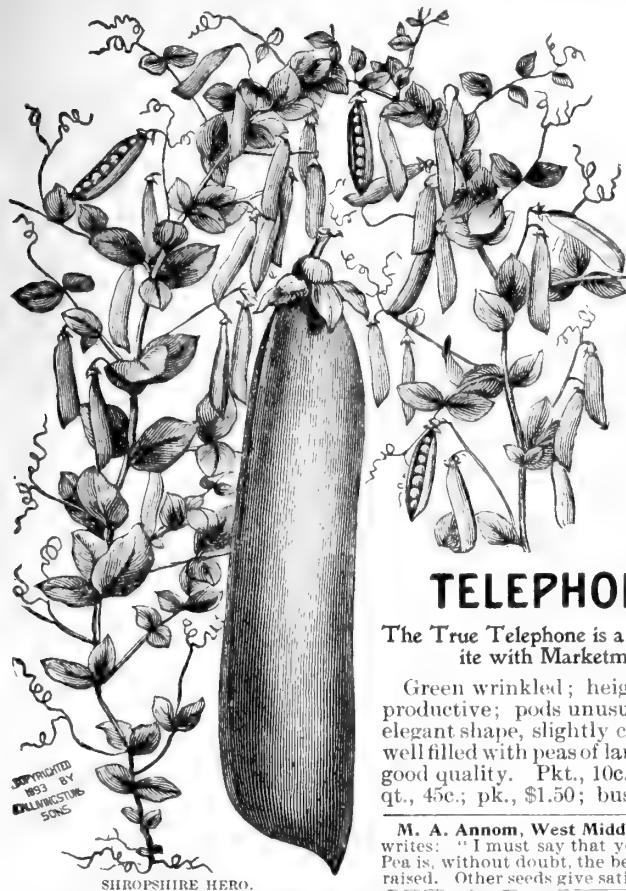
Dwarf Tom Thumb—Dwarf, about nine inches tall, and maturing about the time of American Wonder. Can be planted very close. Pkt., 10c.; pt., 25c.; qt., 40c.; pk., \$1.25; bu., \$4.25.

McLean's Little Gem—A gem indeed. Dwarf green wrinkled variety, twelve to fourteen inches high; prolific; **very superior flavor**. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.20; bu., \$4.25.

McLean's Advancer—About the best second early on the list. A green, wrinkled long about 2½ feet high; long pods, abundantly produced and well filled to the end. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.10; bu., \$3.75.

Blue Beauty—Its distinctive feature is its unusually regular habit of growth. Height, 1½ feet. It is a blue round pea, and is nearly as early as American Wonder. Pods of good size, borne in great profusion, and well filled. In quality and flavor cannot be surpassed. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.25; bu., \$1.00.





JOHNSTON'S
SONS

SHROPSHIRE HERO.

TELEPHONE.

The True Telephone is a great favorite with Marketmen.

Green wrinkled; height 3½ feet; productive; pods unusually large, elegant shape, slightly curved, and well filled with peas of large size and good quality. Pkt., 10c.; pt., 20c.; qt., 45c.; pk., \$1.50; bus., \$5.00.

M. A. Annon, West Middletown, Pa., writes: "I must say that your Heroine Pea is, without doubt, the best Pea I ever raised. Other seeds give satisfaction."

SHROPSHIRE HERO—One of the most valuable new peas of recent years. It is a *second-early* large wrinkled pea, a robust grower like *Stratagem*, two to three feet in height, producing its large pods in abundance. The pods are very large and extra well filled, averaging seven and often contains *eight or ten fine large peas* of exquisite flavor. This pea has already become a favorite with marketmen. Pkt., 5c.; ½ pt., 15c.; pt., 25c.; qt., 45c.; pk., \$1.10; bus., \$4.75.

Everbearing—A variety maturing soon after the Premium Gem, and continuing a long time in bearing. Vine stout, about eighteen inches high, bearing at the top six to ten broad pods. Peas wrinkled, large, cook quickly, and very tender; superior flavor. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.20; bus., \$4.00.

Horsford's Market Garden—A fine *second-early* for family gardens, coming in about with the *Advancer*. Vines two feet high and very regular. *Most prolific bearer, out-yielding all* for height of vine; pods medium size, numerous and well filled with peas of finest flavor. A green wrinkled variety which is fast coming into general favor on account of its **productiveness and general good qualities**. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.20; bus., \$1.25.

White Marrowfat—One of the oldest varieties in cultivation, and a favorite market sort; about four feet high, and well filled with very large pods. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 75c.; bus., \$2.50.

Black-Eyed Marrowfat—Similar to White Marrowfat in all points except that it has a dark eye. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 75c.; bus., \$2.50.

SUGAR OR EDIBLE PODDED PEAS.

All edible podded varieties are used either shelled or cooked in the pods like string beans, and, when young, are very tender and sweet.

Melting Sugar—This new variety grows to the height of five feet, bears a profusion of very large, broad, handsome, light green (nearly white) pods which are generally found in pairs and are so brittle that they snap without any strings. Sweet and tender; cooked like wax beans. Pkt., 10c.; pt., 30c.; qt., 55c.; pk., \$1.75; bus., \$6.00.

Dwarf Sugar—(Gray Seeded)—Grows about two feet high; productive; seeds large and shriveled; pods broad, flat, crooked, and contain five or six peas. Pkt., 5c.; pt., 20c.; qt., 40c.

Tall Sugar—Tall; productive. Pkt., 5c.; pt., 20c.; qt., 35c.



HEROINE—Is a medium early green wrinkled pea, and grows uniformly two to two and one-half feet high, comes in between *Advancer* and *Champion of England*, and bears a profusion of large, long, slightly curved, pointed pods; contains from nine to ten large peas of finest quality. Destined to eclipse *Stratagem* and *Pride of the Market* for market purposes, and being nearly as early as *Advancer*, will also be more desirable than that well-known variety. *An immense cropper*, yields double the quantity ordinary varieties do. Pkt., 10c.; ½ pt., 15c.; pt., 25c.; qt., 45c.; pk., \$1.25; bus., \$4.75.

We can supply the following well-known varieties at the uniform price of 10c. per packet, 25c. per pint, 45c. per quart: **Blue Peter**, **Blue Imperial**, **Yorkshire Hero**, **Forty-Fold**, **Dan'l O'Rourke**, **Laxton's Alpha**, **Landreth's Extra Early**, **Kentish Invicta**, **Paragon**, **Fillbasket**, **First and Best**, **PRICES BY THE BUSHEL, ETC., ON APPLICATION**.

FIELD PEAS.

USED FOR FIELD CULTURE ONLY—By Express or Freight—bushel, \$1.25; peck, 40c. **By Mail—postpaid**—Quart, 30c.; pint, 20c.; packet, 5c. **Special Prices on any quantity over a bushel**. The market is subject to fluctuation, and we prefer to quote rather than make a fixed price.

Rhubarb.

German—*Rhubarber*.
French—*Rhubarbe*.
Spanish—*Ruibarbo Bastardo*.

Pie Plant—Wine Plant—A deep, rich soil is best for Rhubarb. Sow early in drills, eighteen inches apart and one inch deep; in the spring following, transplant, allowing each plant at least two feet square; each fall mulch with manure. **One ounce makes about 600 plants**.

Victoria—Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

Linnaeus—Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

RHUBARB ROOTS.

By Mail (postpaid), each, 25c.; 4 for 75c.; 6 for \$1.00. **By Express, (not paid)**, each, 10c.; dozen, \$1.00.

We make a specialty of growing the Roots and will make **Special Prices in any Quantity on Application**.

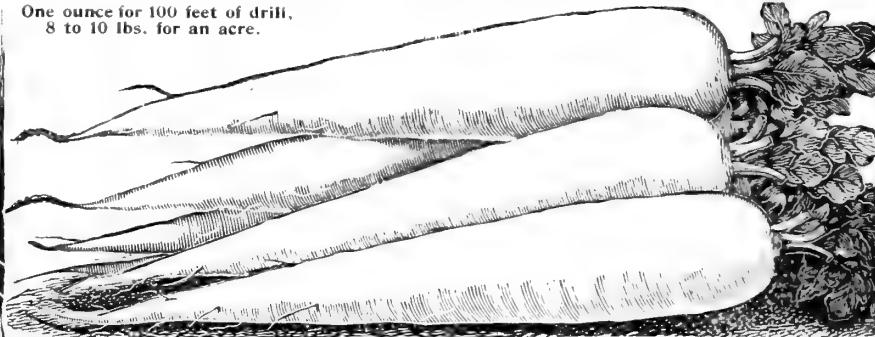
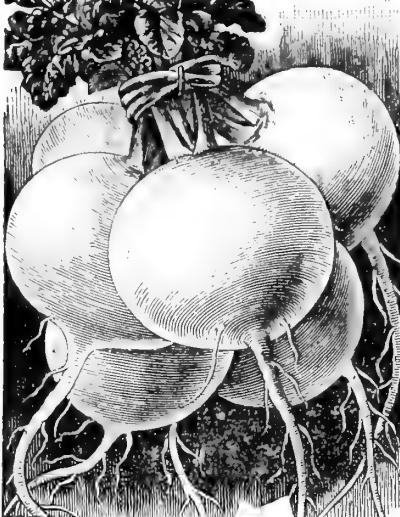
OUR NEW GIANT PODDED SUGAR PEA—See Novelties and Third Page of Cover.

Radish.

German—*Rettig.*
French—*Radis.*
Spanish—*Rabano.*

All the varieties thrive best in light, sandy loam. For early use sow in hot-bed in February, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about half an inch deep. Sow every two weeks from March to September for a succession. They must grow rapidly to be crisp, mild and tender.

One ounce for 100 feet of drill,
8 to 10 lbs. for an acre.



LIVINGSTON'S PEARL FORCING—Is a cross between Wood's Early Frame and White Strasburg—what might be called half-stump rooted. The color is pearl-white with the waxy appearance; the texture is very firm and solid; they remain in eatable condition fully two weeks before they show signs of going to seed, and do not become woody. If grown properly they have a smaller top in forcing than when grown in the open field. All things considered, we pronounce it absolutely the very best general purpose White Market Radish in existence. Pkt.; 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Philadelphia White Box—Its points of superiority are short top, rapid growth, perfect turnip shape, extra fine quality, and showing but little disposition to become pithy, remaining solid and juicy for sometime after fully grown; especially fitted for growing under glass in frames. Owing to very few leaves it can be sown thickly. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

COLDEN DRESDEN—We recommend it alike for family garden and for market as one of the most valuable and quick growing radishes. Tops very scant, and admit of closest planting. It is perfectly round, smooth and very attractive, light golden-brown skin. The flesh is crisp, white, juicy and of finest flavor. Market gardeners can grow this new radish in the garden or force it, and depend upon a remarkably perfect, early, uniform crop. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Brightest Long Scarlet—("Cardinal White Tipped")—A new sort; resembles Early Long Scarlet in shape and size. Extraordinarily early, being fit for use in 21 days after sowing. It is the brightest scarlet we have ever seen in a radish; tips white; rapid seller on market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

Ciant White Stuttgart—A favorite German radish; grows quick, of large size; in shape like a large top; flesh and skin white; fine quality; firm and brittle; never pithy; can be stored for winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early Fire Ball—Pretty little fire-red round radish; small tap-root; small top; preferred by many for early forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

Colden Globe—Perfect globe-shape and golden colored skin; quick growth; tender and brittle. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

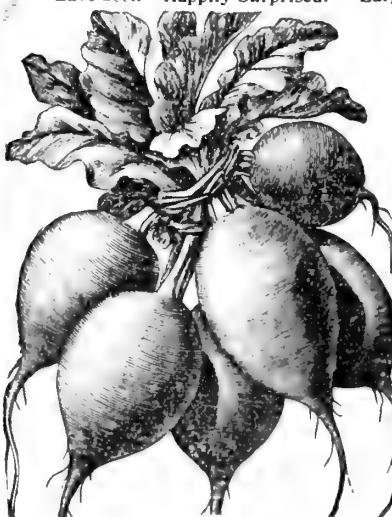
Yellow Summer Turnip—Grows to perfection in the hottest weather. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Cray Summer Turnip—A heat resister. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

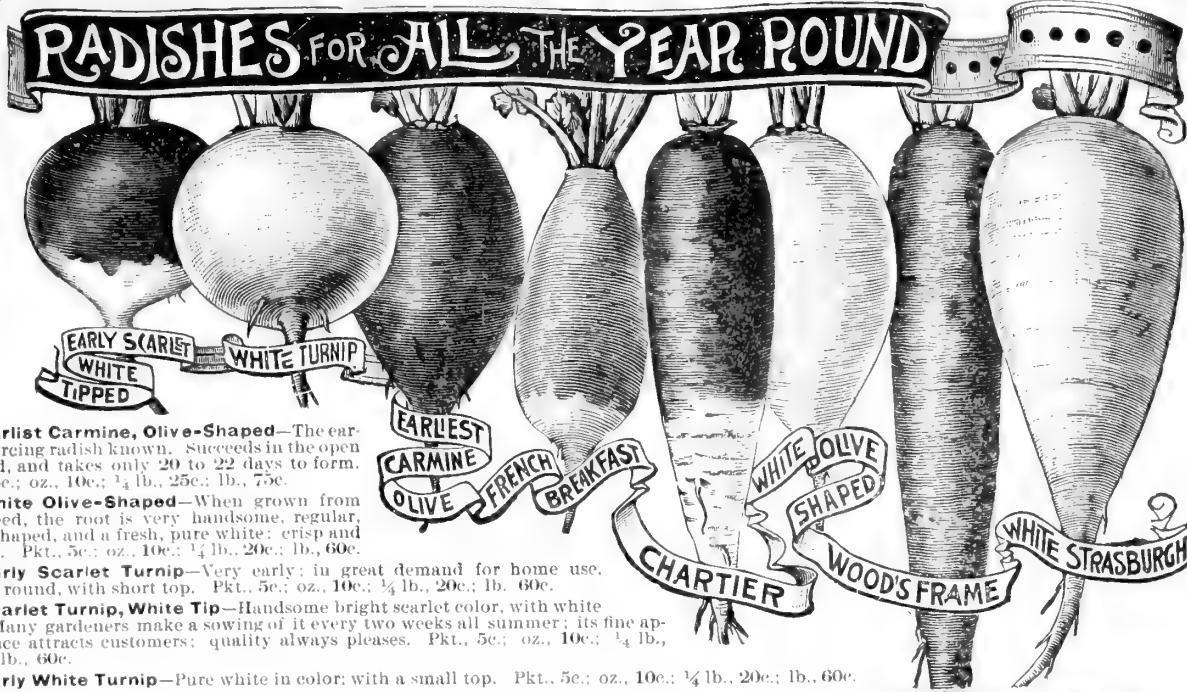
Rosy Gem—One of the earliest; perfectly globular; color rich deep scarlet at top, blending into pure white at the bottom; exceedingly tender and crisp; delicious; desirable for market or home garden. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 70c.

Early Scarlet Globe—One of the earliest and best sorts for forcing; its color is very handsome; flavor mild; crisp and juicy; stands a great amount of heat without becoming pithy; good for garden culture. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

LIVINGSTON'S RADISH MIXTURE—A mixture of over 20 choice varieties of early, medium and late radishes. You will certainly have radishes all summer, and be surprised at the results, if you give it a good place in the garden. For several years we have sent out large quantities of this mixture and the unanimous reports have been "Happily Surprised." **Large pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.**



Cut showing some of the Radishes grown from a package of Livingston's Mixture.



Earliest Carmine, Olive-Shaped—The earliest forcing radish known. Succeeds in the open ground, and takes only 20 to 22 days to form. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

White Olive-Shaped—When grown from true seed, the root is very handsome, regular, olive-shaped, and a fresh, pure white; crisp and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early Scarlet Turnip—Very early; in great demand for home use. Small, round, with short top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Scarlet Turnip, White Tip—Handsome bright scarlet color, with white tip. Many gardeners make a sowing of it every two weeks all summer; its fine appearance attracts customers; quality always pleases. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early White Turnip—Pure white in color; with a small top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Large White Summer Turnip—The market gardeners' favorite. Round, smooth, and very white; crisp and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

CHARTIER—Scarlet, White Tip—a distinct, exceedingly handsome and attractive sort. Color of the top is scarlet-rose, shading into pure waxy-white at the tip. Attains a very large size before it becomes unfit for the table; undoubtedly the **best All Seasons** radish for the open ground. Ready for use or market nearly as early as Long Scarlet Short Top, and keeps crisp and tender for two months. Planted late it makes a good winter keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Chartier Long White—(Nonpareil)—Derived from the preceding, and in all respects similar, only that the color is pure white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

French Breakfast—A variety of quick growth. Very mild and tender; one of the best for forcing; oval form, scarlet, tipped with white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Wood's Early Frame—Ten days earlier than the Long Scarlet, which it resembles; an excellent variety for forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

White Strasburg—The roots are of handsome, oblong, tapering shape; both skin and flesh are pure white; the flesh is firm, brittle and tender, and possessing the most desirable character of retaining its crispness, even when the roots are old and large. It is excellent for summer use, as it withstands severe heat and grows very quickly. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early Long Scarlet Short Top—An admirable sort for forcing; also the leading out-door quick growing variety, both for private and market gardens the country over; grown in rich, light soil, its average length is about eight inches; grows half out of ground, straight, uniform in color, brittle and crisp; small tops; bright scarlet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

White Lady Finger—(Long White Vienna)—Finest Long White Radish in cultivation. Beautiful shape; skin and flesh pure white; crisp; rapid grower. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Non Plus Ultra—(Deep Scarlet Forcing Turnip)—The earliest forcing radish in cultivation. Roots small, round, deep rich scarlet; crisp, tender, white flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

WINTER VARIETIES.

Sown in summer and used in the fall, or put away same as turnips. For winter use store in the cellar, or in pits with turnips.

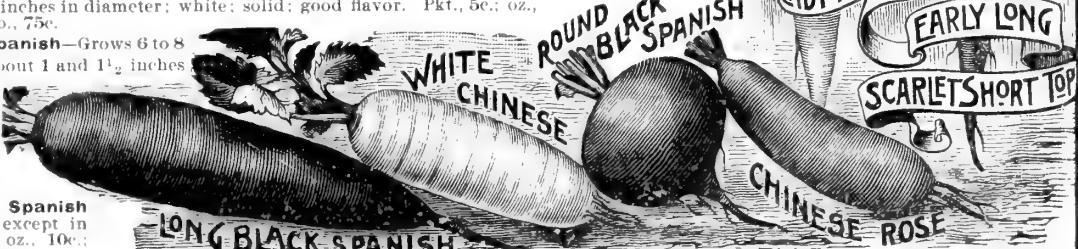
WHITE CHINESE—(New Celestial)—A large, stump rooted radish with white skin and flesh. Can be sown from July 1st to August 15th and will keep all winter in prime condition. Mild in flavor, brittle and *never woody* like some winter varieties. **Market Gardeners** will find this a **splendid seller** and those who secure it first will **make some money** out of it. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Chinese Rose—(Scarlet China)—A bright rose-colored winter variety, of excellent quality; certainly one of the best, and would be grown generally by radish growers if better known. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

California Mammoth White—Grown extensively by Chinese in California; 8 to 12 long, 2 to 3 inches in diameter; white; solid; good flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

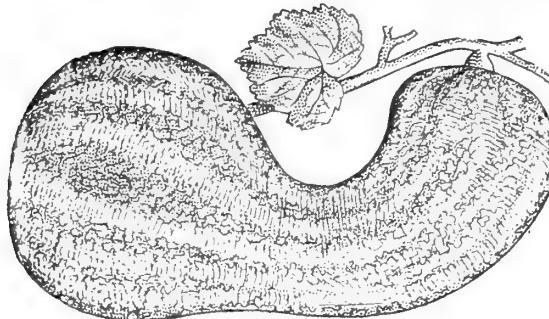
Long Black Spanish—Grows 6 to 8 inches long, and about 1 and $1\frac{1}{2}$ inches through at the top; skin black; flesh white and of firm texture. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Round Black Spanish—Like the above except in shape. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

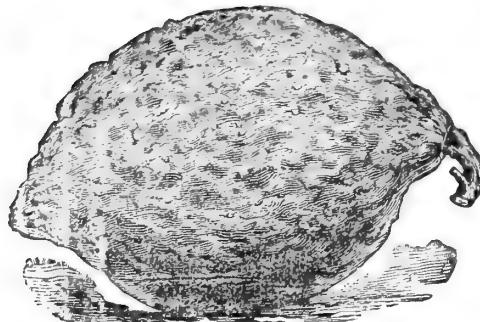


SPECIAL PRICES GIVEN ON LARGER QUANTITIES OF RADISH SEED ON APPLICATION.
SEE NOVELTY LIST FOR NEW CINCINNATI MARKET RADISH

Squash.



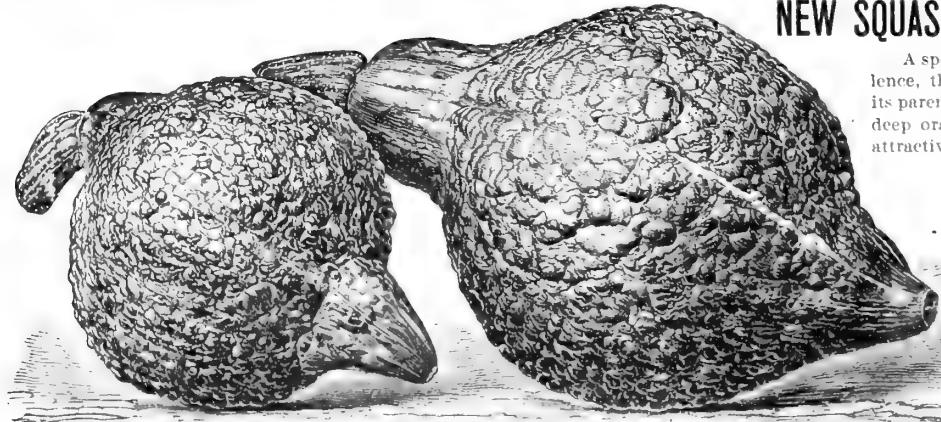
LIVINGSTON'S IMPROVED CUSHAW.



COLVIN'S ORANGE MARROW SQUASH.



EUREKA SQUASH.



NEW SQUASH—GOLDEN HUBBARD.

Squashes should not be planted until all danger from frost is past, but get in the winter kinds as soon as possible, in order that they may mature. Plant in hills five feet apart for bush varieties, and six or eight feet for running varieties, putting six or eight seeds to the hill, finally leaving but three plants. **One ounce of the Bush varieties for 40 hills, or of the large-seeded kinds, 15 hills; two to three pounds of the Bush, and three to four pounds of the large-seeded for an acre.**

LIVINGSTON'S IMPROVED CUSHAW—This is the genuine Cushaw of "ye olden time," and is a great favorite where known. It is very beautiful in appearance, being a distinct mottled green and white striped. The flesh is yellow, solid, fine grained, very sweet, and excellent for pies; also good for baking. In weight they average about 15 lbs., but on good rich soil 30-lb. specimens are common, and even 35 and 40 pounds are found. They are hardy, and bugs seldom eat them, especially when other varieties are near. Can be grown among corn, same as pumpkins, and yield a good crop, but the better way is to grow them separately on good, rich soil, in hills 10 to 15 feet apart each way. This variety sells well on market and should be in the hands of every market gardener. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

DELICATE—For both summer and winter use. Sweet and rich. Wonderfully prolific. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

White Bush Scallop—("Patty Pan," "Cymbeling")—The well-known summer squash; very productive; pure white; to be used when young and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Mammoth White Bush Scallop—An excellent large strain, earlier than the common stock, creamy white and averaging double in size; a prolific bearer; a splendid variety for market, and the best of all for Southern shippers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Extra Large Golden Bush Scallop—Decidedly the best strain of *yellow* scallop. It has been selected and grown for years until it has doubled in size, and, at the same time, lost none of the other good points, such as earliness, quality and productiveness. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Perfect Gem—Excellent, both as a summer and winter squash; bears a great number of small squashes; nearly round; slightly ribbed; skin smooth; creamy white; fine grained. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Giant Bush Summer Crookneck—A beautiful bright yellow, larger than the ordinary Summer Crookneck, more warty, and several days earlier; bears all summer, and commands good prices; very desirable for market or private gardens. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Colvin's Orange Marrow—The skin has the appearance of a rough, dark-colored orange. In flavor it is fully up to the Hubbard. Quality excellent when matured. It is ready for market very early, and if the early squashes are picked the vines keep bearing until frost. Well ripened squashes weighing fifteen pounds have been grown in eight weeks. It is a good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Der Wing—A Chinese squash, and very distinct from any other. It has rather a hard and thick shell, which is almost covered with warts; the flesh is yellow, moderately thick, and sweet when cooked. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Marblehead—Resembles the Hubbard, but it is a little more elongated, and has an attractive light blue shell. Its sweet, dry and delicious flavor is remarkable. Yields and keeps equal to the Hubbard. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

NEW EUREKA—A First-class Farmer's Squash, profitable to grow for feed as well as market purposes. The flesh is very thick and fine grained, and whether baked, steamed or boiled is of fine quality. The outside color is an attractive light grayish green. Its rough and uneven surface indicates its good qualities for the table. Weighs from twenty to twenty-five pounds, wonderfully prolific, a vigorous vine, producing two and three large sized fruits at consecutive joints. When well matured its shell becomes quite hard, but not enough so that stock cannot readily eat them. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

FAXON—The characteristics of this new Squash are **superb quality**, earliness, long keeping, variety of colors, shapes and sizes, superiority in sweetness and richness of flavor, without regard to size. In color it differs from all other squashes. When ripe some are pale yellow with paler yellow stripes in hollows; others are green mottled. The flesh is deep orange-yellow. Has very small seed cavity. While uncooked it seems to have a hard shell, but after cooking there is practically none. It is sweet and dry, and excellent for pies. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Albert Scott, Le Mars, Iowa, March 13, 1895, writes: "I have used your seeds for eight years and find them just as represented. I have received catalogues from other firms, but can say that I am entirely satisfied with LIVINGSTON'S."

A sport from that old standard of excellence, the Hubbard: it is a perfect type of its parent, except in color, which is a bright deep orange-yellow, exceedingly showy and attractive. Flesh deep golden-yellow, much richer in color than Hubbard, fine grained, cooks very dry, and of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels the old variety. Its superior keeping qualities, combined with its sweet, rich flavor, attractive color and shape, are bound to make it a popular fall and winter variety. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

LIVINGSTON'S PIE SQUASH.

Introduced to the public by us seven years ago as "Pie Squash." Some seedsmen insist on renaming this variety, calling it "Pie Pumpkin," etc., after it has been known for years as "Pie Squash." These same seedsmen know that the Pumpkins and Squashes of to-day cannot be divided into two classes. We have always called it a Squash, inasmuch as the family from whom we first obtained our seed had always been in the habit of speaking of it as such. Whether Squash or Pumpkin, one thing is sure, it is **far in advance of any Pumpkin in quality.** The skin is similar to that of the golden russet apple. The flesh is yellow and very thick, making them appear almost solid. It is early, surprisingly productive and a willing and hardy grower. All in all, we call it the grandest thing out for pies. Its size and attractive appearance make it a ready seller on market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Mr. H. N. Smith, South Sunbury, Mass., writes: "I find the New Pie Squash to be a very early sort and of excellent quality for pies."

TRUE HUBBARD SQUASH—Generally considered the best Winter Squash grown; flesh dark yellow, fine grained, dry and sweet, (many say, "Good as sweet potatoes.") It boils and bakes dry, and if plenty of milk is added it will make an excellent pie. It has a very hard shell, is productive, and will keep perfectly until spring. We offer a very carefully grown stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Pike's Peak or Sibley—Shell smooth, thin and of a pale green color; the flesh is thick, solid, deep orange color, very dry, fine grained and delicate flavor. Weighs from nine to eleven pounds, and are excellent keepers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Boston Marrow—A popular fall and winter variety. A thin, bright orange skin; the flesh is a rich salmon yellow, fine grained, sweet and dry; very prolific; splendid pie and table squash; finds ready sale. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Mammoth Chili—True Stock ("Jumbo")—Largest of all squashes. The outer color is a rich orange yellow; smooth skin; flesh is very thick, bright yellow; keeps well through out the entire winter and spring; it is very productive, of fine shape and fair quality, and profitable for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

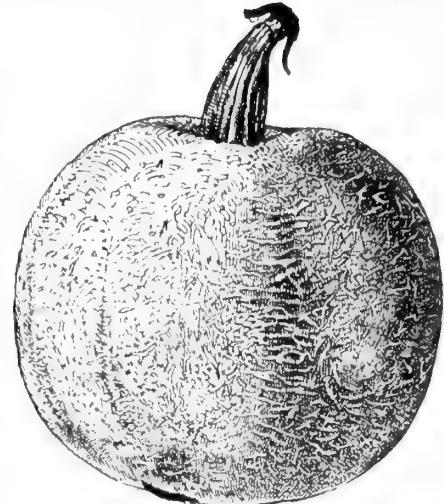
ESSEX HYBRID—*Ripens early:* one of the finest grained, richest flavored, most prolific and sweetest of the squash family, and keeps till the following June. Flesh very rich orange color, dry and solid. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

FORDHOOK—Of convenient size for family use. The flesh is dry and sweet, and seems incapable of rotting; if placed in a cool, dry room, keeps in perfect condition throughout the winter and spring, until late in June. The thin, hard stem and roots, which are slim and hard, furnish absolutely no food for the squash borer. Maturing early, it is a sure crop and immensely productive. Skin thin and meat thick; seed cavity small. May be used at any stage of growth. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

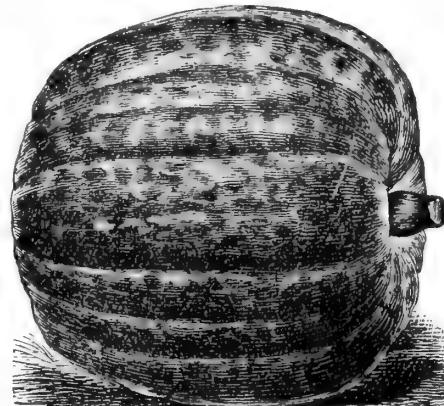
We can supply the well-known

Canada Winter Crookneck, Brazil Sugar, Pine Apple or White Turban, American Turban, Cocoanut, Early Prolific Marrow, and Bay State.
Each, Packet, 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Priscilla Baker, Sugartree Ridge, Ohio, March 22, 1895: "I like your garden seed very much. Your Buckeye State Tomato is the best I ever raised. It cannot be beat. I can recommend your seeds to everyone."

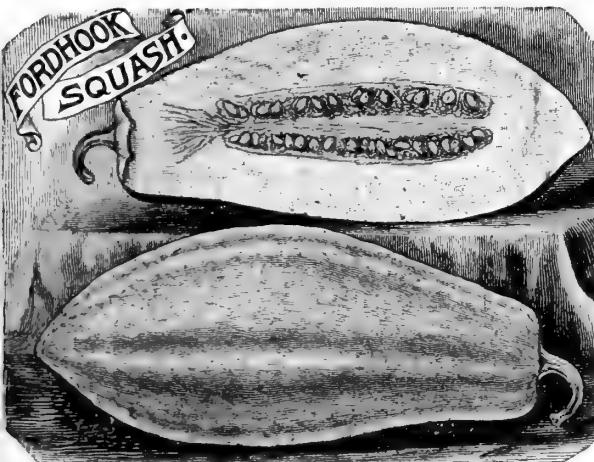


LIVINGSTON'S "PIE SQUASH."



TRUE MAMMOTH CHILI SQUASH.

A few years ago we had a Chili Squash that weighed 203 pounds. The largest one on record, that we know of, weighed 292 pounds. **"Try your hand"** on a big one and report results.



A TRUE HUBBARD SQUASH.

⇒ **Chicago Warty Hubbard Squash, see Novelty Pages.** ⇐

Spinach.



ROUND SUMMER SPINACH.

For spring use sow early in drills one foot apart, and for succession every two weeks; as it grows thin out for use, keeping it clear of weeds. For fall use sow in August; for winter use sow in September in well manured ground; mulch with straw on approach of severe cold weather.

One ounce for 100 feet of drill; 10 pounds for an acre in drills.

Round Summer—A standard sort with all Market Gardeners for early spring sowing; it stands the winter well, but is not quite so hardy as the Prickly; the leaves are large, thick and fleshy. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Prickly Seeded—The hardiest of all, therefore the best where the winters are severe. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Improved Thick Leaf—(Viroflay)—A decided improvement on Round Summer. Has very large, thick leaves of great substance. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Curled-Leaved Savoy—(Norfolk, Bloomsdale)—The earliest variety; of upright growth; fine, large, tender savoyed leaved. Grows quick but will not stand long. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

New Zealand—Withstands heat and drouth and produces leaves in great abundance throughout the summer in the hottest climates, and where ordinary Spinach will not do well; should be started in heat and transplanted three feet apart each way, into light, rich soil. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

Long Standing—This is an improved strain; later in going to market than any other; especially desirable for Market Gardeners. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Special Prices on Spinach in any quantity on application

Turnip.

For the spring crop sow White Model, the Extra Early Milan or the Early Flat Dutch in 14-inch drills and thin to six inches. For the fall and main crop from the middle of July to the last of August, in drills or broadcast, though much larger crops are obtained by drill culture. Land newly cleared, or old pasture ground well manured with thoroughly rotted manure or other good fertilizer at time of sowing, will produce the best and sweetest Turnips. Always sow just before a rain if possible. The success of the crop depends upon a quick growth, especially in the start. **One pound is sufficient to sow an acre.**

Early White Model—(Snowball)—Handsomest and best white turnips for the table. Medium size, round, pure white, and excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

Extra Early Milan—A new, early, very white variety, with purple top and strap leaf; mild and sweet; remains in good condition for a long time. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Early Flat Dutch (or White Top Strap-Leaved)—A standard variety; good size; pure white; small top, with but few leaves; very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Early White Egg—An egg-shaped variety for spring or fall sowing; flesh white, firm, fine grained, mild and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Yellow Stone—One of the best yellow-fleshed varieties for table use, and equally as good for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

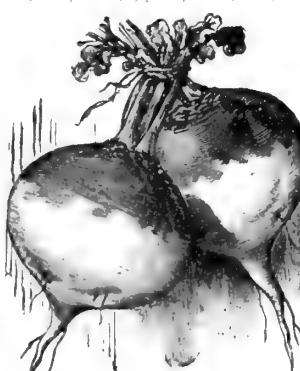
Purple Top White Globe—A variety of decided merit. Globular shape, very handsome, and of superior quality, either for the table or stock. It is a heavy producer, early, of rapid growth, and an excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Yellow Globe, or Amber—One of the best for general crop; flesh firm and sweet; grows to a large size; excellent for table use or stock, and keeps well until late in the spring. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Colden Ball, or Orange Jelly—A rapid grower, of excellent flavor; globe-shaped; bright yellow color; good keeper and a superior table variety, or for stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Large White Globe—A large, round, white turnip, with firm, sweet flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Yellow Purple Top Ruta Baga.





(Vegetable Oyster.)

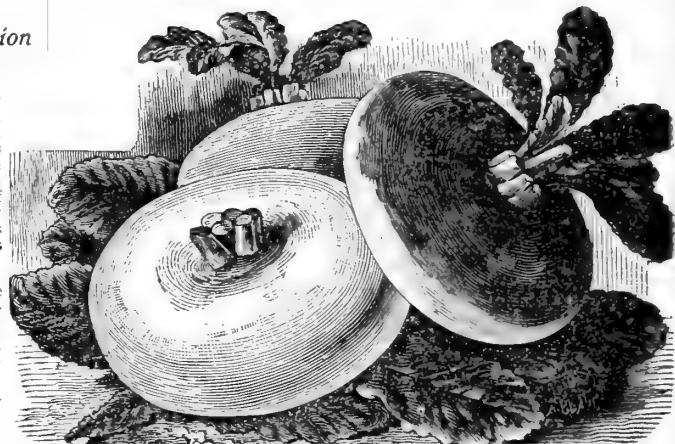
When properly cooked it is a good substitute for oysters in taste and flavor, and is very nutritious. In cooking, the roots are usually boiled, or they can be mashed and made into fritters. It succeeds best in light, well enriched soil. If it is necessary to use manure, it should be very fine and well rotted. Sow early in drills eighteen inches apart, and two inches deep; finally thin to four or five inches apart. The roots are perfectly hardy, and may remain out all winter. They are best after frost has touched them.

One ounce for fifty feet of drill.

Long White—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Mammoth—(Sandwich Island)—Very large and superior variety. Mild and delicately flavored. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Scorzonera—(Black Salsify)—Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.



EARLY WHITE FLAT DUTCH.

PURPLE TOP STRAP LEAF.

Long White, or Cow Horn—Grows very thickly, partly above ground; very productive; flesh white, fine grained, sweet and of excellent quality for family and Market Gardeners' use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Purple Top Strap-Leaved—The well-known popular variety; either for family or market use; large size; white, purple above ground; flesh fine grained. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

RUTA BAGA VARIETIES.

The Ruta Baga varieties should be sown a month earlier than Turnips, as they require longer to mature.

Improved American—(Purple Top)—Very hardy and productive; flesh yellow, sweet and solid; good for stock or table use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Skirving's Purple Top—A first-rate variety; grows large, and is a good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

White Russian (or Large White Ruta Baga)—Grows very large; excellent for table or stock; flesh firm, white and solid; has a very rich and sweet flavor. The best keeper of any. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Long Island Improved Purple Top—This is undoubtedly the finest variety of Purple Top Ruta Baga, and is twice the size of the ordinary stocks. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Tomato.

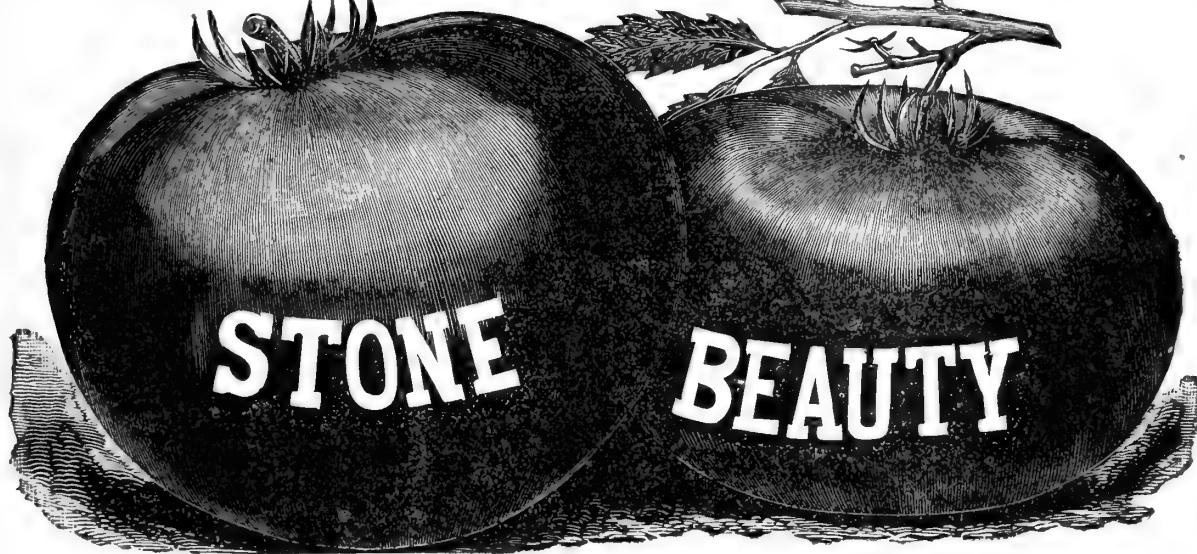
For very early fruit the seed should be sown in a hot-bed about the first week in March in drills five inches apart and half an inch deep. Later sowing may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot and placing in a window in the house. When the plants are three or four inches high they should be set out four or five inches apart in another hot-bed or cold-frame, or removed into small pots allowing a single plant to a pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as the vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the plants. Tomatoes will admit of training to stakes or trellises of various kinds, and the fruit is very much improved, not only in appearance but in quality. This mode of cultivation is quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake, using stakes 5 to 7 feet high, tying the plants up with wool or other strong, soft twine, pruning out quite freely as vines advance in growth. By adopting this method plants may be set much closer than in the ordinary way. For fine, large specimens of high color and attractive appearance generally, grow the clusters of fruit in paper sacks, as is commonly practiced by grape growers. The sacks should be put on when the tomatoes are about three-fourths grown. Some successful growers cut their plants back two or three days before setting in the open field, providing they have grown too tall for easy handling.

About 2,000 plants from one ounce of seed is a safe estimate.

For Complete and Extensive Instructions for Growing, Marketing, Cooking and Other Valuable Information on the Tomato, see our NEW BOOK.

“Livingston and the Tomato,”

Offered in the Book Department of this Catalogue.



LIVINGSTON'S STONE TOMATO.

LIVINGSTON'S BEAUTY TOMATO.

Packet Prices of our Varieties

LIVINGSTON'S STONE—(Introduced by us in 1891.)—This variety has obtained great favor with canners. Southern growers and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points.

PRICE, (Postpaid)—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

LIVINGSTON'S EARLY ACME—(Introduced by us in 1875.)—The Earliest Real Good Tomato, especially for market gardeners' use. Probably no one variety is so well known and generally cultivated throughout the United States, both for early and main crops. The plants are of strong and vigorous growth, very productive; fruit of medium size, perfect form, round, slightly depressed at the ends, and very smooth (never rough), color, a glossy red, with purplish tinge; ripens all over and through at the same time.

PRICE, (Postpaid)—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

New Varieties, and the Growing of Large Quantities, Our Specialty.

No establishment in the world makes such a specialty of Tomato Seed growing as ourselves. In making this claim we mean *actual growing*. Some who claim to be extensive *growers* in this line, we find do quite a large portion of their *growing* at the back door of some canning factory, simply *washing* out seed from the refuse. Such seed may contain a mixture of half a dozen or more varieties.

This “vegetable fruit” has become indispensable to house-keeping in this and many other countries within the past twenty-five years and which, we feel, without boasting, is largely due to the excellent qualities of the varieties bearing our name.

The fame of the varieties originating with and introduced by us has extended to every country on the face of the globe where the Tomato can be grown.

Our first Tomato, the “**Paragon**,” was introduced in 1870, after working five years to bring it to a high state of perfection. It was the first and only strictly smooth red tomato ever sent out up to that time, and is as good to day in our hands as when introduced twenty-six years ago, showing no signs whatever of degenerating. In 1875 the first perfectly smooth purple tomato, the “**Acme**,” was introduced by us. Since that time we have introduced 11 of the best standard and most distinct varieties ever brought before the tomato growers of the world. They were introduced in the following order: “**Perfection**,” in 1880; “**Golden Queen**,” in 1882; “**Favorite**,” in 1883; “**Beauty**,” in 1886; “**Potato Leaf**,” in 1887; “**Stone**,” in 1891; “**Royal Red**” and “**Gold Ball**,” in 1892; “**Buckeye State**,” “**Aristocrat**” and “**Large Rose Peach**,” in 1893.

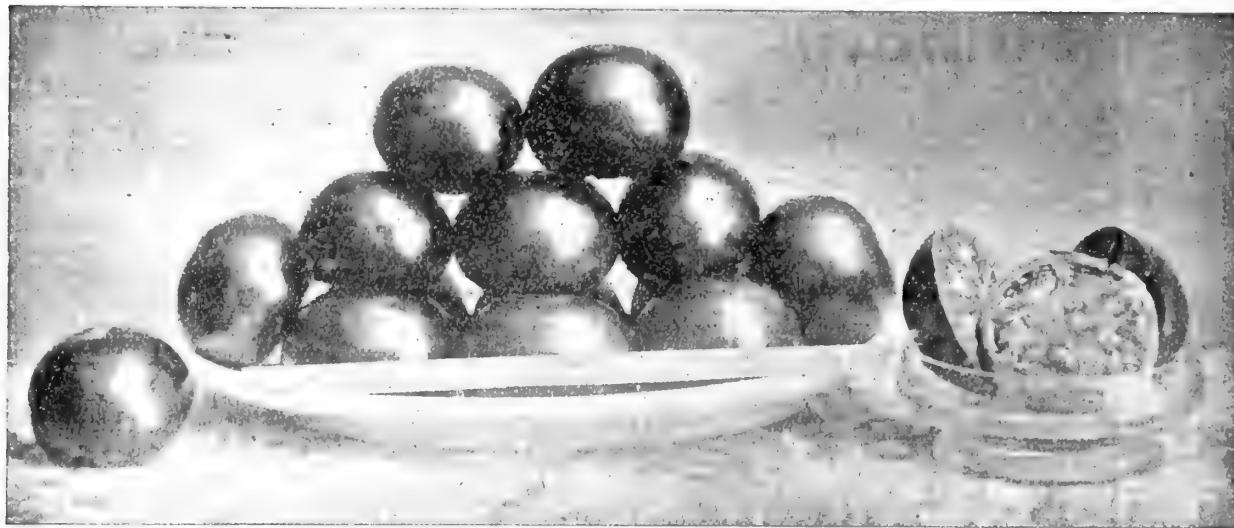
On the following pages will be found descriptions of these splendid varieties, together with a list of other deserving sorts.

Regular Size, 10c. each, 3 for 25c.—of one or more kinds.
Half Size, 5c. each, 6 for 25c.—of one or more kinds.

LIVINGSTON'S BEAUTY—(Introduced by us in 1886.)—A decided favorite for either home market or shipping purposes, being early, hardy, a strong grower, productive, large size, always smooth, perfect in shape and excellent in quality. The color is a very glossy crimson with a slight tinge of purple. It grows in clusters of four or five large fruits, retaining its large size late in the season. It ripens with Acme and Perfection, and is entirely free from ribbed and elongated fruit. During the past eleven years, under varied circumstances and on different classes of soil, it has showed no signs of rotting. It is very firm fleshed, has a tough skin and but few seeds. It seldom cracks after a rain like many of the tender skinned sorts. For shipping and early market it cannot be excelled, on account of solidity, toughness of skin, and especially its handsome color; can be picked quite green, and will look well and ripen up nicely, and keep for a week after it is ripe. Used largely by Florida and other long-distance shippers.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

Prof. W. B. Alwood, Agr. Exp. Sta., Blacksburg, Va.: “Your **Beauty Tomato** was superb as usual and gave us magnificent fruit. We consider it the standard by which comparison of other sorts is made, and are also using it now exclusively for winter forcing.”



LIVINGSTON'S DWARF ARISTOCRAT TOMATO.

LIVINGSTON'S BUCKEYE STATE TOMATO—SEE NOVELTY PAGES.

LIVINGSTON'S DWARF ARISOCRAT—(Introduced by us in 1893). This fine *early variety* in habit of growth and foliage resembles the "Dwarf Champion" very much, and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy **red** fruit, so much preferred in many localities to the purple or rose-colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present **standard of excellence**. It is **desirable for forcing under glass**, especially on the side benches, and for growing outside for early market purposes. It may be planted 3 x 2 feet, or even closer, making it also suitable for small gardens, where every foot of land is to be utilized. Its peculiar dark green foliage and glossy, red fruit attract the attention of every passer-by.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

LIVINGSTON'S EARLY PERFECTION—(Introduced by us in 1880). An improved Acme with **red skin**, somewhat larger, fully as early, has more solid flesh and fewer seeds, and produces more and larger fruit at the close of the season. Invariably smooth and of a handsome blood-red color. All who have tried it pronounce it of the highest quality. Some canners prefer it to all others, especially those who can the tomatoes whole.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S FAVORITE—(Introduced by us in 1883). The Canner's Favorite and one of the **best and largest perfect shaped red Tomatoes in cultivation**. Ripens evenly and as early as any other good red sort, holding its size to the end of the season; free from cracks and is not apt to rot at the blossom end; very prolific, good flavor, few seeds, flesh solid, bears shipping long distances. It is used almost exclusively in the extensive cannery sections of Maryland, and has been generally grown for years for the canner's trade throughout the United States. We grow thousands of pounds annually to supply this demand.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S ROYAL RED—(Introduced by us in 1892). This fine variety is worthy of a prominent position alongside of its renowned predecessors already bearing the Livingston name, which are well and favorably known to-day by everybody, because they were all that was claimed for them, and even better than expected. A first class main crop variety for the shipper, catsup maker, marketer and private gardener; no essential point is lacking. Everybody is attracted by its **vivid red color** and handsome general appearance.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S PARAGON—(Introduced by us in 1870). Our first introduction, and, although it is twenty seven years since it was first offered, we have kept it up to its original standard, and it has to-day the preference in many localities. Many gardeners, canners and catsup makers will have no other. It is a large sized variety, larger than several of the standard kinds cultivated. An immense cropper. The flesh is solid, well colored and flavored. Ripens between the early and late varieties, grows vigorous and has a distinct heavy foliage, and no variety holds its size better late in the season. Color of skin, deep red.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S POTATO LEAF—(Introduced by us in 1887). A distinct variety and superior to all other potato-leaved sorts in the market. The leaf resembles Mikado or Turner Hybrid, but the fruit is *always smooth*, medium large, very firm and of desirable quality. It is second early, everbearing until killed by frost, and it takes a pretty sharp frost or two before the fruit is injured, being protected by the thick, broad leaves. It has a strong vine, and resists the wind remarkably well; an excellent variety for growing on trellises or tying up to stakes. A *very good variety for hot climates*, the leaves protecting the fruit from the scorching rays of the sun.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S GOLDEN QUEEN—(Introduced by us in 1882). "Queen of All the Yellows" and a **real good yellow sort of first-class quality**. Its superior flavor has brought it into general favor as a table fruit. It is solid, always smooth, entirely free from ridges, large in size, ripens early, and is the most beautiful yellow variety ever sent out. The larger and riper fruits are sometimes tinged with red at the blossom end. None excel it for eating raw or slicing. The handsome golden-yellow slices make a beautiful contrast in a dish with red sorts. It has very little acid, and the quality is excellent. Makes handsome, rich preserves.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S COLD BALL—(Introduced by us in 1892). It is a beautiful canary yellow variety, and no other yellow sort, except our Golden Queen, can approach it in quality. The flesh is thick and of extra good quality: not so large as Golden Queen; smooth as an apple and of a handsome color; grows in clusters; produces enormous crops.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S LARGE ROSE PEACH—(Introduced by us in 1893). It has all the general characteristics belonging to this singular and distinct class of Tomatoes, but is larger than any Peach variety yet brought out. Is a profuse bearer until killed by frost, and has the **agreeable mild flavor**, as well as the **suffused coloring** and the peculiar **peach-like bloom** or furze on its surface. It has shown no signs of rotting in the past five years.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

DWARF CHAMPION—We make a specialty of this grand and very distinct variety and have grown a number of acres every year since its introduction. A single plant of it was first found some ten years ago in a field of our Acme. Its dwarf, compact and upright growth enables it to be planted 2 to 3 feet apart each way. Heavy manuring, instead of producing a superabundant growth of vine (as in many varieties), increases the yield and the size of the fruit. In form and color they resemble Acme—smooth and symmetrical in shape, ripening close around the stem. It matures the fruit early, is very productive, medium large and frequently crowded close together on the branches for 15 inches. Foliage is of an unusually dark green color. **TRUE STOCK**—Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

CAUTION.

To be sure of seed grown by us insist on having it in packages bearing our **TRUE BLUE SEAL**.

Large quantities of spurious seed are sold annually as Livingston's by unprincipled persons, hence we give this warning.

The Seed we offer was saved from choice selected fruits of true original type, and cannot fail to please the most critical grower.

OUR SEAL.



PACKET PRICES OF OUR VARIETIES

Regular Size, 10 cents each, 3 for 25 cents—of one or more kinds.
Half Size, 5 cents each, 6 for 25 cents—of one or more kinds.

TOMATOES—CONTINUED.

Below we offer a list of other meritorious varieties. For years past we have aimed to give all new varieties of Tomatoes, as fast as offered to the public, a thorough test for quality and comparative points on our trial grounds near this city, which are under our own personal supervision. Not only that we may keep abreast the times on the Tomato question, but posted on varieties and in position to offer those deserving of introduction as fast as brought out. Our limited space in this department of our catalogue will not admit of full and extended description of the various varieties offered below. We endeavor, when necessary, to improve the different sorts, by our system of selection and cultivation, and the stocks we offer below we recommend as being as good as any offered by our competitors or the original introducers.

NEW IMPERIAL—We have grown a crop of this new Tomato the past two seasons. It is claimed by the originator to be earlier, when grown side by side with such standard extra early varieties as Earliest of All, Atlantic Prize, Early Ruby, and superior to them in size, perfect symmetry, and in about every trait that goes to make up a first class tomato. It is a purple sort, ripens well around the stem, is very thick meated and solid, but we have not been able to ripen it a day earlier than Acme and it is no more productive. We recommend it as worthy of a general trial, but cannot recommend customers to risk a whole crop of it. **True Stock**—Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

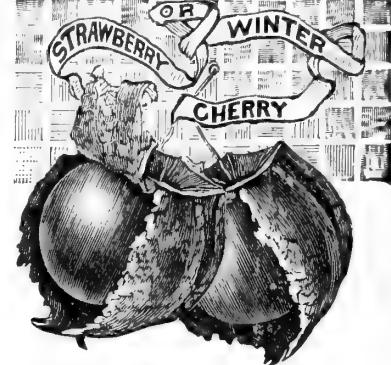
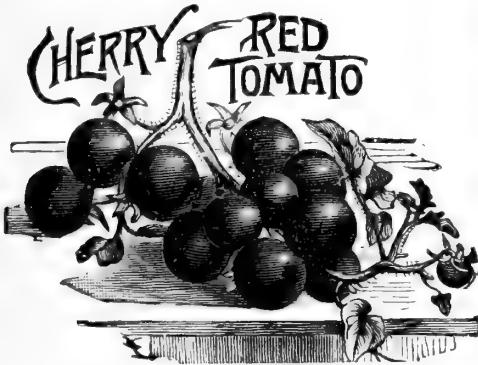
New Autocrat—A new hybrid, large, of fine regular shape, very solid, and with few seeds. It ripens about the stem and is a good producer. The vines are strong and with little foliage. In ripening it is medium early, and in color it resembles the well-known Livingston's Acme. Pkt. 10c.; 3 for 25c.

New Democrat—This is a cross-bred variety. It is of large size, and very prolific. In color it is a fine, dark purplish red. It is a vigorous grower, with dark green foliage. Medium early, and a good shipper. Pkt. 10c.; 3 for 25c.

Fordhook First—It is claimed that this variety comes into market with such sorts as Early Ruby, Atlantic Prize, etc. It is a medium sized, smooth purple variety of good quality; resembles Acme very much, maybe not quite so large but no earlier. We have grown a crop of it for two years, and with us it has proved no earlier than either Perfection or Acme. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Atlantic Prize—One of the **earliest of all**; not only ripens any first fruits but a large proportion of the crop earlier than most any other sort; quite valuable to all with whom **earliness** is the main object desired. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

MATCHLESS—A rich cardinal-red color; symmetrical in form; free from core; of large size; a good healthy grower. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



THE NEW PEACH TOMATOES.

Purple Peach—This striking and peculiar variety resembles some varieties of peaches so closely in size, shape, color and general appearance that it is frequently taken for a real peach. It seems to have the real bloom or furze of the peach upon its surface. In color, a deep rose blended with orange amber; it is productive, comes early and lasts until frosts, and never rots. Its equal in delicacy of flavor does not exist in the tomato family. The skin is thin, and peels off like that of a peach. It is very ornamental for table decoration or exhibition purposes. Pkt. 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Yellow Peach—Differs from the above in color only, being a rich golden color and having the bloom or furze of a peach upon its surface. Pkt. 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Husk, or Strawberry, Winter Cherry, Etc.

This delicate husk-enclosed Tomato is unequalled for making preserves and pies. Dried in sugar, as raisins or figs, or to use in fruit cake, they are unexcelled. They have a strawberry flavor, and will keep until mid-winter or longer. They have a strawberry flavor, and produce fruit in great abundance. Aside from being a great curiosity, and very attractive, they sell first-rate in market and are rapidly becoming very popular.

Purple Husk—This new and beautiful variety produces fruit in great abundance, from one to two inches in diameter, enveloped with a husk. Pkt. 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Early Ruby—A Real Early Variety. A single plant of it was first observed in a field of Livingston's Perfection. The fruit, although not so large or so smooth, ripens earlier than Perfection. The open habit of the plant admits the sun and ripens the fruit, which is compact around the base of the plant, and the whole crop ripens very early. Pkt. 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Early Michigan—A beautifully colored early tomato of fine quality; medium size and uniform. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Cumberland Red—An extra large red tomato of beautiful color, productive, hardy, vigorous. Pkt. 5c.; oz. 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Liberty Bell—A large sized red tomato, resembling Royal Red more than any other of our red varieties. Quite a desirable variety for locations where the red color is preferred. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Ignotum—A good red tomato, not especially distinct from several of the leading large red varieties; solid, productive, bright red; vines stocky; dark green leaves. Pkt. 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Optimus—Uniform in size, produced in clusters of four or five, each of marketable size; ripens evenly, free from cracks and blemishes; flesh of a crimson scarlet color. Resembles the Perfection. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Cincinnati Purple—Fruit very large, deep purplish-red; solid and of good flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Ponderosa—The fruit ripens quite early and keeps on coming until very late; of immense size, solid, almost seedless, and of good sub acid flavor. The single fruits are large, but somewhat scattered on the vine. Quite a large percentage of the fruits are too rough to please growers of the strictly smooth kinds. When ripe it is apt to remain somewhat green about stem end, and it seems to ripen on the inside first, and on this account should be picked when it appears to be about half ripe. Pkt. 5c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.; lb., \$3.50.

Mikado, or Turner's Hybrid—Color, a purplish-red; quality good when well ripened; foliage distinct; generally quite smooth, but always some rough ones. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

Essex Hybrid—A splendid variety, similar to Acme in color and in many other good points. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Canada Victor—Very early; productive; flesh scarlet; round, smooth, medium size. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

Advance—An extra early seedling from Alpha and Perfection; has ripened in ninety days; fruit smooth and round, no green core; skin smooth; very prolific; color usually red, but inclined to sport purple. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Trophy, True—Fruit very large and generally smooth; solid, good flavor, and very productive. Choice, selected seed as good as it can be grown. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Colden Husk—Fruit a handsome golden color, the size of large cherries; much esteemed by many to eat from the hand; makes an excellent pie. The recipe for making the pie will be on the packet containing seed. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

SMALL TOMATOES—Excellent for Preserves, Pickles and Pies.

Red Currant Pkt., 5c. **Yellow Plum** Pkt., 5c.

Red Cherry Pkt., 5c. **Yellow Cherry** Pkt., 5c.

Red Pear-Shape Pkt., 5c. **Yellow Pear-Shape** Pkt., 5c.

Prices of any of the above small varieties by the $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

We can supply the following varieties at the uniform price of—
Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

MAY FLOWER, RED QUEEN, EARLY CONQUEROR, HATHAWAY'S EXCELSIOR, LORILLARD, VOLUNTEER, CARDINAL, LONG KEEPER,
Also Many Other Varieties and a host of "re-names" of Tomatoes at customary prices.

Vegetable Plants, Roots, Etc.

Prices do not include prepayment of expressage. Sent only by express, not by mail. No orders shipped under \$1.00. We keep all the following varieties on hand in their proper season, and can ship fresh from the beds and well packed on short notice. Write for our Special Mid-Summer Plant List, which gives prices of Late Cabbage, Celery, Etc., Etc. Issued in June.

CABBAGE, EARLY—(Ready April 10.)

	PER 50	100	1000
Extra Early Wakefield and All Head Early.....	\$0.40	\$0.75	\$4.50
Henderson's Early Summer and All Seasons.....			

Write for prices on larger quantities; also for late grown Cabbage Plants.

CAULIFLOWER—(Ready April 1 to May 1.)

Livingston's Earliest and Extra Early Erfurt ..	.65	1.00	7.50
Henderson's Early Snowball.....			

CELERY—(Early Crown, Ready June 1.)

Dwarf Golden Heart, White and Pink Plumes ..	.60	1.00
Golden Self-Blanching and Giant Pascal.....			

Giant Golden Heart.....			
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Special Prices on larger quantities; also on later grown plants.

SWEET POTATO—(Ready May 15.)

Extra Early Carolina.....	.25	.35	2.50
Yellow Nantemond (Jersey)			

Red Jersey			
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Prices on application for any quantity on Sweet Potatoes.

HEDGE PLANTS.

	PER 100	1000
Osage Orange, two years old.....	\$0.35	\$3.00
Honey Locust.....	.75	4.50

FOR PRICES ON LARGER LOTS WRITE US.

TOMATO—(Ready May 15.)—Per 1,000, \$7.50.

	PER DOZ.	50	100
Livingston's Acme, Beauty and Buckeye State ..			
Favorite, Perfection and Paragon	\$0.20	\$0.60	\$1.00
Stone, Golden Queen and Royal Red			

Dwarf Champion and Dwarf Aristocrat.....

Lower prices later in the season.

We grow immense quantities of **TOMATO PLANTS** for the general crop and are in position usually to make special prices on all leading sorts from 1,000 to 100,000 lots.

ECC PLANT—(Ready May 15.)

	PER DOZ.	50	100
Large N. Y. Purple and Livingston's Mammoth ..	\$0.25	\$0.85	\$1.50

PEPPER—(Ready May 10.)

Sweet Mountain and Mammoth Ruby King ..	.20	.60	\$1.00
Cayenne and Bull Nose.....			

HOP ROOTS—Plant very early. Per dozen, 25c. If by mail add 5c. per dozen for postage.

CHIVES—Good clumps, by express, each 10c.; dozen, \$1.00; by mail 10c. each extra.

HORSE RADISH SETS—See page 33.

RHUBARB ROOTS—See page 47.

ASPARACUS ROOTS—See page 17.

The above Plant Prices are subject to change, owing to damage from bad weather, insects, etc.

5,000 AND 10,000 LOTS OF ANY KIND AT LOW PRICES.

Miscellaneous Farm Seeds.

The prices given below are NET CASH, free on cars, this city, purchasers paying all transportation charges; at the prices quoted here we make no charge for bags or cartage. The prices quoted are subject to market fluctuations. Should any article seem high or when customers are in need of large quantities we will be pleased to quote them, on application, the lowest prices that the market will justify at the time.

Seed Oats.

PRICES TO SUIT THE TIMES.

THE NEW SEIZURE OATS—We offered this grand variety in our Seed Annual last season for the first time, and have not had a complaint from a single farmer among the many who tried it, but all were well pleased so far as heard from up to this time, and judging from reports received, we believe it will soon become a standard variety, and we unhesitatingly state that the Seizure is not surpassed by any variety in this country for **Productiveness and Standing Up Qualities**. It is a White Variety, of the Side Oats Class. Kernels large, of medium length, uniform and taper pointed. Straw of good length and very seldom goes down, even the past very adverse season when other kinds went down, it stood up well on the same farms. This variety has been grown at the Ohio Agricultural Experiment Station since 1886, and will be found heading the list of its class in the various bulletins sent out. This speaks well for it, and no higher endorsement is needed by those familiar with the critical and thorough tests carried on at this station. Mr. J. F. Hickman, Agriculturist, says: "It is one of the best producing varieties grown at the station, if the seed is in the ground before the 20th of April, and I believe it will stand up with any other variety grown on the farm." Mr. Hunter, a farmer and extensive horse breeder in this county, states: "The Seizure Oats yielded one-third more bushels to the acre than other varieties on the same kind of ground. I shall sow no other kind of oats the coming spring." It is early enough and perfectly safe for this latitude, for it has never failed to mature a fine crop. We have a fine lot of it but look for an increased demand that may take it all before the season is past and would advise those who contemplate ordering to do so early. We will sell as follows while our present stock holds out. Price—**Postpaid**—Large packet, 10c.; 1b., 25c.; 3 lbs., 60c. **By Express or Freight**—Peck, 30c.; bus. (32 lbs.), 90c.; bag of 2½ bus., \$2.00; 2 bags, \$3.50; 10 bus., \$6.00. **Sacks free**.

New Lincoln—Introduced in 1893, and sold in all sections of the country, giving wonderful results. It is early. Straw stiff and strong, standing up. The grain is handsome and valuable for feeding on account of its thin hull, heavy meat and soft nib. **Postpaid**—Lb., 25c.; 3 lbs., 65c. **By Express or Freight**—Peck, 30c.; bus. (32 lbs.), 80c.; 5 bus., \$3.25; 10 bus., \$6.00. **Sacks free**.

American Banner—Invariably yields large crops. Grains large, white and plump; ripens early, and has stiff straw of good strength. **Postpaid**—Lb., 25c.; 3 lbs., 60c. **By Express or Freight**—Peck, 30c.; bus., 80c.; 5 bus., \$3.25; 10 bus., \$6.00. **Sacks free**.

EARLY WHITE SWEDISH OATS.

We have been looking for several years for a *first-class early oats* with which to supply customers in different parts of the country, and on certain soils where an early sort only can be used with safety. In the **Early White Swedish** we have found what is desired. It has been well tested in various parts of the country and we are well satisfied it is a variety that will meet with general favor among farmers. It has a good straw and is very prolific. While our **Limited stock** lasts we will sell at the following **low prices**: **Postpaid**—Large packet 10c.; 1b., 30c.; 3 lbs., 75c. **By Express or Freight**—Peck, 30c.; bus., (32 lbs.), 90c.; bag of 2½ bus., \$2.00; 5 bus., \$3.75; 10 bus., \$7.00. **Sacks free**.

SPECIAL OFFER TO FARMERS.

As we intend to push the sale of these varieties in the future (until we find something better) we make the following inducement offer in order to have them widely disseminated this season. We will therefore, send as follows, in **good strong bags** put up separately and carefully marked, 2½ bushels of each **SEIZURE** and **EARLY SWEDISH** for \$3.25 or two bags (10 bus. in all) of each for only \$6.00. **No charge is made for the bags**, and the oats will be delivered free on cars, this city.

Special Prices on larger quantities on application. Also **Bottom Prices** on various other kinds offered by other seedsmen.

SORGHUM, OR SUGAR CANE,

Is being used extensively as a green food for cattle, horses and mules, it is a sure crop, being a great drouth resister and an immense yielder; producing many tons of most nutritious green food to the acre. Specially fine for a food for milch cows, when pasture is short.

Early Orange Cane—A strong grower; much more juicy than any other variety. The stalk is heavier, and a little later than the Amber. **Postpaid**—Pkt., 10c.; lb., 20c.; 3 lbs., 50c. **By Freight or Express**—10 lbs., 50c.; 50 lbs., \$1.75; 100 lbs., \$3.00.

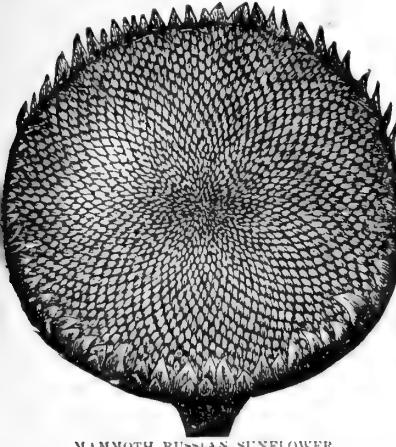
Early Amber Cane—This popular and well-known variety is the earliest, and makes the finest quality of both sugar and syrup. **Postpaid**—Pkt., 10c.; lb., 20c.; 3 lbs., 50c. **By Freight or Express**—10 lbs., 50c.; 50 lbs., \$1.75; 100 lbs., \$3.00.

***** OUR SEED OATS ARE ALL FANNED AND WELL CLEANED. *****

A NEW BEARDLESS BARLEY, "SUCCESS."

"**SUCCESS BARLEY**," the earliest barley known, if sown about the 20th of March will ripen about the 28th of June. The straw is about the height of the common barley, but better and will stand up on any land; with good land and season has produced 80 bushels per acre, the straw can hold it up. Sow as early as you can; frost does not hurt it. This barley has remained on land from harvest until spring and grew the next season. It will, if sown early, head two or three days later than winter rye, and ripen four or five days before the rye, and being beardless handles as easy as oats and makes a stronger feed.

Price, (postpaid)—1 lb., 25c.; 3 lbs., 60c. *By Express or Freight—Peck, 40c.; bus., \$1.25.*



MAMMOTH RUSSIAN SUNFLOWER.

MAMMOTH RUSSIAN SUNFLOWER.

Mammoth Russian Sunflower

Growing to double the size of the common sunflower, and the yield of seed is twice as great. One hundred and twenty-five bushels to the acre have been grown at less expense than corn. Highly recommended for poultry; the best egg producing food known. The seed is good feed for horses. *By Mail, (postpaid)—Oz., 5c.; 1/2 lb., 15c.; 1 lb., 25c. By Express or Freight—10 lbs., 75c.; 25 lbs., \$1.50; 100 lbs., \$5.75.*

Spring Vetches, or Tares—A good forage plant; also used for plowing under. Sow two bushels to the acre, broadcast like wheat or barley. Used in France and Canada as a substitute for pens; also ground into flour and mixed with wheat flour for making bread. *Postpaid—1 lb., 25c. By Express—4 qts., 50c.; peck, 90c.; bus., \$3.25.*

Kaffir Corn—One of the best things offered of late years for a forage plant. The heads contain small white seeds which make an excellent flour. They are greedily eaten by horses and cattle, and make splendid food for poultry, fed either in the grain or ground and cooked. The foliage and stalks make excellent forage. Cultivate the same as common corn, requiring four or five pounds of seed per acre. *By Mail (postpaid)—Oz., 5c.; 1/4 lb., 15c.; 1 lb., 20c., 3 lbs., 50c. By Express—10 lbs., 25c.; 50 lbs., \$2.50.*

Wild Rice (Zazania Aquatic)—For planting in fish ponds it is desirable, and as an attraction for wild fowl it cannot be equaled. Also does well along the edge of marshes and makes fair hay. Sow in the fall or very early spring. Will grow in water eight feet deep. *By Mail (postpaid)—Large pkt., 10c.; 1/4 lb., 15c.; 1 lb., 35c. By Express—10 lbs., 25c.; 20 lbs. (1 bushel), \$1.00.*

Chufas, or Earth Almonds—A species of "grass nut" (*Cyperus Esculentus*) much used to fatten hogs. It is not to be confounded with the Cocor or Nut Grass, for though it belongs to the same class, the Chufa is eradicated with great ease, and is never a pest. The nuts grow under the ground, very near the surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April in rows three feet apart and eight to ten inches apart in the row. If seed is dry soak before planting. One peck of seed per acre. *Postpaid—Pkt., 10c.; quart, 35c. By Express—Quart, 30c.; peck, \$1.50; bus., \$4.50.*

THE HAIRY VETCH.

Vicia Villosa—("Sandwicensis")

The most valuable of all the Vetches. It succeeds on all soils, and does not suffer from extremes of drought, heat or cold. Sown in August or September, it will cover the ground with a dense mat of forage, which, in the Southern States, will afford abundant pasture throughout the entire winter. In the Northern States it remains green all winter under the snow, and is invaluable for early pasturing or soiling. In the southern States where the Crimson Clover does not thrive, and in the Northern States where the clover is winter-killed, the value of the Hairy Vetch is inestimable. Sown in spring, it quickly produces a most luxuriant crop. Sow 40 to 50 lbs. per acre. *Postpaid—Pkt., 10c.; 1 lb., 25c. By Express or Freight—Bus. of 60 lbs., \$5.00.*

RAPE.

Dwarf Essex—This plant is extensively grown in Europe and Canada for forage, especially for sheep, and for green manure, for which purpose there is perhaps no plant better adapted where a *quick, rank* growth is desired. Farmers who raise much stock and desire to get young cattle, sheep or lambs into favorable condition to be sold advantageously in the fall, can do it most cheaply by growing this Rape. Prepare the ground as for turnips and sow in June or July, with a turnip drill, in rows two and one-half feet apart, at the rate of two and one-half pounds of seed per acre, or may be sown broadcast at the rate of five pounds per acre. Our stock is the *True Essex Dwarf*, and not the worthless annual. *Postpaid—Oz., 10c.; 1/4 lb., 15c.; 1 lb., 30c. By Freight or Express—10 lbs., \$1.00; 50 lbs., \$4.50; 100 lbs., \$8.00.*

WINTER WHEAT.

Prices on application in season on several good kinds.

RYE. **Spring Rye**—An excellent catch crop when the fall sown varieties have been winter killed. The straw is shorter and for paper makers' use it is preferred to any other. **Busel, \$1.50.**

Common Winter Rye—**Busel, \$1.00.**

Prices in any quantity on application.

BROOM CORN.

Improved Evergreen—The best variety for general cultivation on account of color and quality of brush; ripens very early, grows about eight to ten feet high, brush of good length, fine and straight, and always of green appearance when ripe. *Postpaid—Lb., 25c.; 3 lbs., 60c. By Express or Freight—10 lbs., \$1.00; 25 lbs., \$1.75; 100 lbs., \$5.75.*

New Japanese—Extra Early; matures in about seventy-five days when planted late. Can be planted after wheat with good success, thereby making two crops on the same ground. The brush is fine and long. *Postpaid—Lb., 25c.; 3 lbs., 60c. By Express or Freight—10 lbs., \$1.00; 25 lbs., \$1.75; 100 lbs., \$5.75.*

BUCKWHEAT.

Should be sown about the middle of June, broadcast, using from one to three pecks of seed to the acre.

New Japanese—This new sort has proven to be much earlier and more productive than any other variety. The grains are very large and of a rich brown color. It excels all in yield and earliness. *Postpaid—Lb., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 10c.; bus., \$1.25.*

Silver Hull—A very good and popular variety. The grain is of a light gray color, is rounder than the common variety, has a much thinner husk, matures earlier, and yields a half more to the acre. *Postpaid—Lb., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 40c.; bushel, \$1.25.*

Prices on larger lots on application.

FIELD PEAS.

Cow Peas, or King of Land Renovators—This is not exactly a Pea, but more properly belongs to the bean family. Cow Peas have been grown largely in the South to reclaim or renovate soil too poor to grow clover and for seed production. Scientific tests have, however, demonstrated that the food value of the Cow Pea, either for hay or ensilage, is equal to, if not exceeding, that of clover; and by putting it to this use its manurial value is not impaired when fed to stock and the manure returned to the soil. They should not be sown until the ground becomes warm; say from May 15th to June 15th, and can probably be grown as a second crop after wheat in the North. When sown in drills three feet apart, one bushel will sow two acres. Sown broadcast, from one to one and one-fourth bushels are required to seed an acre properly. Plant in a thoroughly pulverized soil. If grown for fodder or seed, plant in drills and cultivate thoroughly. If grown to plow under, sow broadcast. Cow Peas will yield from 8 to 12 tons of cured vines per acre, which is equivalent to from 1 to 2 1/2 tons of cured hay per acre. Weight, per bushel, 60 pounds. Varieties in most general use **Black Eye**, seed of which is round oblong, creamy white with a large black eye; **Clay Bank**, pod, large, yellow; pea, medium cream colored. Either variety—*postpaid—Quart, 35c. By Express or Freight—Peck, 75c.; bushel, \$2.50; 10 bushels or over, \$2.40 per bushel.*

Canada Field Peas—Valuable for Northern climates for cattle-feeding. Used as feed for pigeons, etc., and for green soiling. *Postpaid—Quart, 35c. By Express or Freight—Peck, 40c.; bus., \$1.25.*

PEANUTS.

Virginia Improved—The mammoth Virginia Peanut is a very profitable variety to grow, and more desirable than the common spreading kind. It is easily cultivated; very erect stems, upright foliage; largest pods and kernels of any variety; also yields fewer imperfect pods. The vines make a valuable forage for stock. 

By Mail (postpaid)—Large package, 10c.; 1/2 lb., 20c.; 1 lb., 35c.; 3 lbs., \$1.00. By Express—4 lbs., 50c.; 10 lbs. or over, 10c. per pound.

Spanish Peanut—The Earliest Variety Grown. Pod small, but remarkably solid and well filled, and the yield per acre very large; can be cultivated with the plow. Because of their early habit and easy cultivation it is the best variety to grow for fattening hogs. *Postpaid—Large package, 10c.; 1/2 lb., 20c.; 1 lb., 35c.; 3 lbs., \$1.00. By Express—4 lbs., 50c.; 10 lbs. or over, 10c. per pound.*

TREE SEEDS.

Osage Orange—Best of all hedge plants. *By Mail (postpaid)—Oz., 10c.; 1/4 lb., 20c.; 1 lb., 35c. Special price on application in quantity.*

Plants in Season—See page 56.

Catalpa (Speciosa)—The hardy Western variety largely planted. Rapid grower and makes the best timber trees. *By Mail (postpaid)—Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; 1 lb., 65c.*

Russian Mulberry—Planted for silk culture; easily grown; hardy; fine hedge; fruit quite palatable. Tree makes fence posts in five years, and fine lumber. *Pkt., 10c.; oz., 20c.; 1/4 lb., 60c.; 1 lb., \$2.00.*

Prices on other Tree Seeds given on Application.

Recleaned Grass and Clover Seeds.

CUSTOMERS understand that prices on Grass and Clover Seeds are changing (almost daily), and that we can only give prices subject to market fluctuations. Bags are included at the prices here given. Those wanting Seeds in larger quantity than here quoted should write for special prices. **OUR SINGLE POUND PRICES INCLUDES POSTAGE PAID BY US.** Please bear this in mind when comparing our prices with others who require you to add postage to their quotations.

Kentucky Blue Grass—(*Poa pratensis*)—Universally known; desirable for pastures and lawns. Sow in fall or spring at the rate of 2 to 3 bushels per acre. **Fancy clean seed**, (Bus. 14 lbs.) 30 \$1.75 \$13.25

Orchard Grass—(*Dactylis glomerata*)—Extremely hardy and widely known. One of the earliest to start in spring; grows rapidly and furnishes an abundance of pasture during the entire season. 1½ to 2 bushels per acre. (Bus. 14 lbs.) 30 1.85 14.00

Red Top Grass—(*Agrostis vulgaris*)—Thrives well in almost any soil, but best in low land, and produces a very firm sod. Sow 1 to 2 bushels per acre. (Bus. 14 lbs.) 25 1.35 10.00

Timothy—(*Phleum pratense*)—A well-known variety. When ready to buy write us for latest prices, whether you want a bag or a carload. (Bus. 45 lbs.) **Prime Seed** 20 .60 3.50

Choice 20 .75 4.50

Wood Meadow Grass—(*Poa nemoralis*)—Adapted for pasture or pleasure grounds; of early growth; thrives well under trees. Sow 2 bushels per acre. (Bus. 14 lbs.) 45 2.75 12.50

Sweet Vernal—(*Anthoxanthum odoratum*)—Is very fragrant, especially when bruised or cut. Mixed with other grasses for pasture it is quite valuable, as it starts early in spring and grows until late in the fall. (Bus. 10 lbs.) 40 3.00 25.00

Tall Meadow Oat Grass—(*Avena elatior*)—Used for soiling. It succeeds well in sandy lands, and, owing to its long, fibrous roots, stands cold and drought well. Sow 3 bus. per acre. (Bus. 10 lbs.) 35 2.25 20.00

Clovers Parties wishing to buy in **large quantities** will do well to get samples and prices before placing their orders. We are in position to handle it on a close margin and supply the finest grades.

The Prices here given are subject to Market Change without notice. Samples free on application.

Medium, or Common Red—(*Trifolium pratense*)—**Lb. 10 Lbs. 100 Lbs.** The Clover Seed of Commerce, and the most important and valuable of the Clover family for agricultural purposes. Sow 15 lbs. to the acre. (Bus. 60 lbs.) 30 \$1.40 \$11.00

Alsike, or Hybrid—(*Swedish*)—(*Trifolium hybridum*)—Has fibrous roots like White Clover; valuable for hay and pasture when mixed with other grasses. Esteemed highly for bee pasture. 30 1.40 11.00

Mammoth Clover—(*Trifolium pratense perenne*)—Valuable with other grasses for mixed hay; ripens about with Timothy, Orchard and other grasses. Being a rank grower it is largely used for plowing under as a fertilizer. 30 1.40 11.00

White Dutch—(*Trifolium Repense*)—Grows naturally in pastures in a great variety of soils and situations; indispensable in parks and lawns. 45 3.00 25.00

CRIMSON, or SCARLET ITALIAN—(*Trifolium incarnatum*)—**This wonderful Forage Plant**, more commonly called Scarlet, is a great nitrogen gatherer, makes a growth of from 20 to 30 inches high, has a bright crimson blossom from 1½ to 3 inches long, and when in full bloom is a thing of beauty. It is a winter crop, and being an annual it must be sown in July, August and September of each year from which the spring following can be cut for soiling, by the 20th of April; for ensilage, and hay by the 1st to the 15th of May in this latitude, and for seed crop about the 1st week of June. It will produce on ordinary soil 8 to 12 tons of green food per acre, 1½ to 2½ tons of hay per acre, and 2 to 12 bushels seed per acre, plowed under as a manurial crop it is worth as a fertilizer \$30 per acre. It can be sown in corn, tomatoes, cabbage, beans, peas, watermelons, cantelopes or any cultivated crop, also with buckwheat. It has been sown to keep down weeds and to be plowed under as a manure, with most excellent results. When sown in July and August it furnishes excellent pasture in November and December. Where Red Clover failed to give a good stand or blighted on wheat stubble, the stubble can be harrowed over and scarlet clover sown, which will more than make up the loss of the Red Clover. Ten to fifteen pounds are necessary to seed an acre properly, and after sowing the seed it should always be covered by harrowing with a light harrow; and be sure to use only American grown seed. (Bus. 60 lbs.) 30 1.00 8.00

Johnson Grass—(*Sorghum halapense*)—A large, strong-growing grass. Succeeds well in the South. Good for hay or pasture; stands drought well. Sow 3 bushels per acre. (Bus. 25 lbs.) 25 1.00 9.00

Perennial Rye Grass—(*Lolium perenne*)—Very nutritious and valuable grass for meadows and permanent pastures; rapid grower, and the most prominent grass in England. 1 to 1½ bushels to the acre. (Bus. 24 lbs.) 25 1.00 9.00

Meadow Fescue—(*Festuca pratensis*)—Thrives in all soils; excellent for permanent pastures; starts early; very productive. Sow 1½ to 2 bushels per acre. (Bus. 24 lbs.) 25 1.25 11.00

Sheep's Fescue—(*Festuca ovina*)—Grows naturally on light, dry, sandy soils and mountain pastures. Is considered quite valuable as a mixture with other grasses for permanent early spring. (Bus. about 12 lbs.) 25 1.35 12.00

Rhode Island Bent Grass—(*Agrostis canina*)—A valuable grass for lawns; sow 3 or 4 bushels to the acre for lawns; for pasture, 1½ to 3 bushels, (bus. 12 lbs.) 35 2.50 23.00

Hard Fescue—(*Festuca duriuscula*)—Not very productive, but it is of a very fine quality, and thrives well in dry situations, where many other grasses would fail, thus making it a desirable pasture variety. (Bus. about 12 lbs.) 25 1.35 12.00

Write for Special Prices on Grass Seeds before you buy in either fall or spring. Also for **Prices of other Grasses** not mentioned above.

CLOVER—CONTINUED.

Alfalfa, or Lucerne—(*Medicago Sativa*)—One of the **Lb. 10 Lbs. 100 Lbs.** best varieties, succeeding in almost every situation, and bearing heavy crops of forage; bears cutting three or four times in a season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage but forces its roots fully three feet into the earth. Sow early in spring to secure a good stand before winter, if to be used for pasture or curing. 30 1.10 10.00

Millets

Prices subject to Market Change.

German, or Golden Millet—True Southern

Grown—Is a very valuable Hay and Fodder Crop, producing at least double the amount of Hay over Hungarian or any other Millet. **TRUE SOUTHERN GROWN GERMAN MILLET SEED** is far superior, both in quality and yield of product, to Western grown seed. The True Southern German Millet will grow in any climate or soil, and when properly grown and handled, makes an enormous yield of most nutritious animal feed, and that without impoverishing the soil to any great extent. To get these results, however, the seed must be sown **thickly**, not less than one bushel per acre, at any time between May 1st and July 15th, and the crop cut in six to eight weeks, while it is in bloom, before the seed hardens in the head. Managed in this way it will prove the most satisfactory and profitable forage and summer hay crop much relished by all kinds of stock. Cures easily, will withstand more abuse when stacked than any other hay. We have known stacks that have stood out three and four years that would open out bright and good. Prepare the ground well before sowing the seed. Cover only slightly, single stroke of a light harrow, or roll without harrowing, or it may be sown with wheat drill, setting drill to barely cover the seed. Pound, 25c.; 10 pounds, **Head of Millet from Southern Grown Seed.** 50c.; 100 pounds, \$3.00.

Hungarian Grass and Western Crown Millet.....**Market Price**



LIVINGSTON'S LAWN SEED FOR ALL PURPOSES.

A beautiful lawn is one of the most pleasing features connected with the country or suburban home, and when once made, will last for years if the right material is used and the work properly done.

The first steps necessary are *proper drainage* and a *careful preparation* of the soil. Then comes **GOOD SEED**, proper time of sowing, quantity used, *careful watering*, &c.

In making a new lawn, the soil should be carefully cultivated to the depth of about one foot, carefully graded to the desired level and well rolled, after which a light raking will prepare it properly for the reception of the seed. The soil should be good but not made too rich, as the grass is apt to grow over rank in such soil. The ground may be prepared as early in the spring as it is possible to work the same, or, what would be better, prepared in the fall and the seed sown in the spring as early as the ground can be got in good order. *Never sow oats or other grains with lawn seed.* Strong growing plants are more of a detriment than a benefit to weak plants.

When the grass is ready for its first cutting, give the lawn a good rolling two or three days ahead, choosing damp weather, or the cool of the day, and if possible, mow with a sharp scythe rather than with the lawn mower for this first cutting; after that, the lawn mower may be used, setting the mower as high as possible, not cutting too close to the ground until the lawn is well established; about once a week in favorable growing weather is often enough, but not so often in dry weather. Use the lawn sprinkler or hose freely and roll occasionally, especially

in early spring after the frost comes out of the ground and before it settles or becomes hard with spring rains.

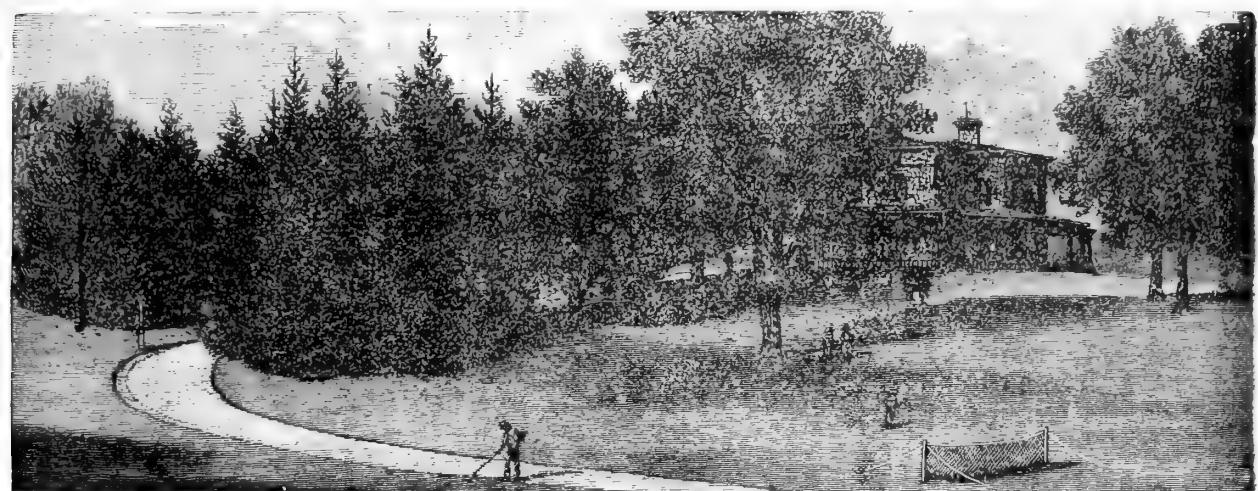
Remember that it is essential to dig the soil deep and prepare thoroughly, sow high grade seed liberally at the right time, and not less than four bushels to the acre.

Old lawns are greatly benefitted if given a thorough raking as early in the spring as the weather will permit, and then some fresh seed sprinkled on, which will renew the thin places and spots that have been killed out by weeds and other causes.

Time to Sow. Lawn Seed can be sown at almost any time from early spring to late in the fall, but the best time is very early in the spring, or about September 1st, depending somewhat on the condition of the season at the time of sowing.

For Grassing a Terrace. We can do no better than recommend the old and tried receipt, as follows: Take for each square rod a pound of lawn grass seed, and mix it with about six cubic feet of good, dry garden loam. Place it in a tub and add liquid manure, diluted with about two thirds water, until the mixture has the consistency of mortar. Make the slope perfectly even and smooth, water it well, then apply the paste in a thin, even coat.

Our mixtures are composed of the best seeds procurable and are as free as it is possible to make them from weeds. The seeds of our mixtures are *tested for vitality* before mixing.



LIVINGSTON'S LAWN SEED MIXTURE.

We have made the subject of Lawns a study for many years and this mixture has been prepared and sold by us in all parts of the country, giving general satisfaction.

In making a lawn great care should be taken to use only the very best quality of pure lawn seed so as to produce a **SOFT, VELVETY, EVERGREEN** sod, that will withstand cutting and heat of summer, and the severe cold of winter. It is not made of annual grasses for a *quick show*, or of the chaffy, light-weight seeds, sold by some seedsmen at cheap prices. **Our mixture weighs about 20 pounds** to the measured bushel and is not surpassed by any of the celebrated brands in this country.

QUANTITY OF SEED REQUIRED TO SOW AN ACRE (43,560 sq. ft.)—For new lawns, not less than four bushels; for renovating old lawns, from one to two bushels.

A pound of our mixture will sow about 500 square feet.

PRICES: FIRST QUALITY, per lb., 25c.; 5 lbs., \$1.00; 1 bu., \$3.50; 2 bu., \$6.50; 5 bu., \$15.00.

SECOND QUALITY, per lb., 20c.; 3 lbs., 50c.; 1 bu., \$3.00; 2 bu., \$5.50; 5 bu., \$12.00.

If to go by mail, add to the above price 10c. per lb., for postage.

Livingston's Lawn Seed Mixture can be had with or without White Clover, as customers prefer.

OUR LAWN GRASS MIXTURE FOR SHADY SITUATIONS.

On nearly all lawns there are shaded bare and unsightly spots which the owners have difficulty in getting a stand of grass; for such places this mixture is adapted. It is composed of dwarf-growing grasses which are found naturally growing in such places. Should the ground have become "sour," or drainage defective, it is apt to be covered with moss. If such is the case apply some lime or laud plaster to sweeten it, after first removing the moss, then rake thoroughly and sow the seed at the rate of not less than four bushels per acre.

PRICE—Lb., 40c.; 5 lbs., \$1.75; bus., \$6.50.

If to go by mail, add to the above price 10c. per lb., for postage.

Our Grass Mixture for Tennis Lawn, Croquet Grounds, Etc.

A mixture composed of low-growing, hardy grasses suitable for grounds of this character.

PRICE—Lb., 40c.; 5 lbs., \$1.75; bus., \$6.50.

If to go by mail, add to the above price 10c. per lb., for postage.

KENTUCKY BLUE GRASS.

Many prefer plain Blue Grass to a mixture, and it cannot be denied that it produces a beautiful and lasting lawn. It takes longer, however, to get it established.

PRICE (Fancy clean seed)—Lb., 30c.; 3 lbs., 60c.; bus. 14 lbs., \$2.25.

If to go by mail, add to the above price 10c. per lb., for postage.

LAWN FERTILIZER.

Old and New Lawns require **stimulating** after the long drag through the winter, or in the fall after the season of cutting and the heat of summer. For this purpose we furnish a superior grade of bone meal which we have found, after years of experience and tests, to be the best adapted to the wants of the lawn, the finer particles being a ready supply of available food for immediate use, while the coarser particles are broken down by the elements and taken up later on, giving a very lasting effect. By using this dressing all unsightliness and disagreeable odors are avoided. No weed seeds will fill your lawn as they frequently do when stable dressing is used. It should be sown broadcast, from the middle of February to the first of May, at the rate of 600 to 800 pounds to the acre, according to the condition of the lawn. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed.

100 pound Bag, enough for 2,500 Square Feet \$2.00

50 pound Bag, enough for 1,250 Square Feet 1.50

25 pound Bag, enough for 600 Square Feet 1.00

10 pound Bag 50c.

CANTON, OHIO, December 7th, 1895.

GENTLEMEN: I bought over \$50.00 worth of Lawn Grass Seed and also my garden seed of you. I find your seed the *truest and the best*. You may expect my future orders.

Yours, very respectfully,

T. M. REED, Supt. of Public Parks

SEED CORN.

mention your **second choice**, or state whether we shall send a sort adapted to your locality or refund the money, provided we are sold out of your **first choice** at the time your order arrives.

NEVER BEFORE was there a time when the choicest varieties could be had so cheap and never less excuse for planting degenerated sorts, when such varieties as we offer can be had at prices here quoted. **It only costs about 20 cents an acre to use our Carefully Selected and Tested Seed Corn.** Is it wise to risk doubtful corn from the crib?

WHITE CAP YELLOW DENT—This is a corn of great merit. It is suitable for all climates and soils, and grows large ears and matures early. The ear grows as large as Leaming and is from seven to ten days earlier, and on poor, thin soil will yield thirty per cent. more corn. It grows strong, rank and thick, and, it is claimed, will produce more corn on poor, thin soil than any kind now in cultivation. It will be appreciated by those living in drouth sections and by those farmers who have poor, thin soil, while on strong, rich soil it has no superior. The tip end of the grains are white, the inside yellow, making it a beautiful color. Large growers in the corn belt, as well as those out of it, will be pleased with this corn. *PRICE, by mail (postpaid)*—Sample ear, 25c.; large packet, 5c.; quart, 30c. *By express or freight (not paid)*—6 select ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00.

PRIDE OF THE NORTH—The very earliest Yellow Dent Corn in cultivation, and can be successfully grown further north than any other dent. It originated in extreme northern Iowa over ten years ago. Ripens readily in New England. Matures perfectly in 90 days; is very hardy and prolific; ears uniform, of good size, cob small, kernels closely set on the cob, and are long and compact. *By mail (postpaid)*, sample ear, 20c.; packet, 5c.; quart, 30c. *By express or freight (not paid)*—6 select ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00.

EARLY BUTLER DENT—This is a beautiful golden yellow corn, and has given perfect satisfaction and proven itself to be an excellent variety for the farmer of the North and Northwest, maturing in ninety to one hundred days. Ears good size, with long grains and small cob. *By mail (postpaid)*, sample ear, 20c.; packet, 5c.; quart, 30c. *By express or freight (not paid)*—6 ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00.

EARLY WHITE DAWN—An excellent Dent variety, with bright, solid, glossy white kernel; small red cob; stalks often bear two good ears; grains grow well over tips of cobs; matures in 90 to 100 days. A good yielder, adapted to all corn growing localities, and gives universal satisfaction; excellent for any soil and gives better yield on clay land than any of the yellow kinds. *By mail (postpaid)*, sample ear, 20c.; packet, 5c.; quart, 30c. *By express or freight (not paid)*—6 select ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00.

EARLY MASTODON—A new early dent variety originated in Northern Ohio. The ear is extra large, with large, deep grains; it grows strong, rank, quick, and makes fine appearing shelled corn—two shades of white and yellow. In the American Agriculturist corn contest of 1889 it out-yielded all others, making the wonderful record of 213 bushels shelled corn to the acre. *By mail (postpaid)*, sample ear, 25c.; packet, 5c.; quart, 30c. *By express or freight (not paid)*—6 ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00.

TRUE CLARAGE YELLOW—**Best Second Early. Sure to ripen.** It has been grown extensively by farmers in this locality for over fifty years. It ripens between the Pride of the North and Leaming. The ear is nearly as large as the Leaming, very uniform, its entire length, and well filled out at both ends; husks very easily; of rich golden color, and very productive. In favorable seasons it has ripened here when planted as late as the first of July. Highly recommended by the Ohio Experiment Station as **one of the best in points of early maturity and productiveness.** *By mail (postpaid)*, sample ear, 20c.; pkt., 5c.; quart, 30c. *By express or freight (not paid)*—6 select ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00.

TRUE YELLOW LEAMING—An extensively grown large Yellow Dent variety. **The seed we offer is True Leaming.** Has pure glossy yellow ears low on a strong, heavy stalk; grains square and deep; ripens quite early, frequently maturing in one hundred days from planting; it weighs, "struck measure," 60 to 63 pounds per bushel; will yield, on good soil, with proper tillage and favorable seasons, from 75 to 100 bushels per acre. *By mail (postpaid)*, sample ear, 20c.; packet, 5c.; quart, 30c. *By express or freight (not paid)*—6 select ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00.

MAMMOTH WHITE DENT—This is a large-cared variety, combining all the good points required in corn growing sections south of the 40th parallel. It has a broad, very deep, pure white kernel and cob—in fact a stray red cob will hardly be found in a thousand bushels; grades "strictly white" in any market. It is very desirable for white corn meal, and those desiring a large white corn cannot fail to be pleased with it. *By mail (postpaid)*, sample ear, 25c.; packet, 5c.; quart, 30c. *By express or freight (not paid)*—6 select ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00.

FODDER AND ENSILAGE CORNS.

By Express or Freight at Buyer's Expense.

EVERGREEN SUGAR—There is nothing better for early fall green feed, or for curing for winter than Sweet Corn. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. A favorite with dairy farmers. Also excellent for soiling. Can be planted as other corn or sown thickly in drills or broadcast. Peck, 50c.; $\frac{1}{2}$ bu., 75c.; 1 bu., \$1.40; 2 $\frac{1}{4}$ bus., \$3.00; 2 bags, \$5.50; 4 bags, \$10.00.

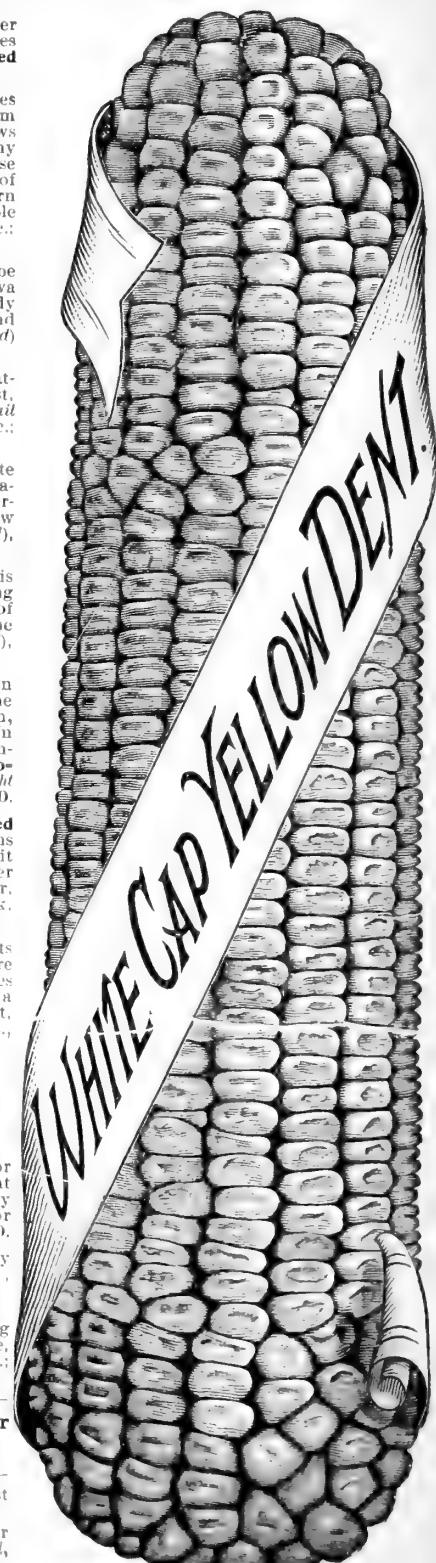
RED COB ENSILAGE—A Southern type of large white corn with red cob, strong, leafy stalks and short joints; a general favorite. Peck, 35c.; bus., \$1.10; 2 bus., \$2.00; 5 bus., \$4.75; 10 bus., \$9.00.

POP CORN. **WHITE RICE**—There is no better or more popular variety for popping purposes; the grain is pointed, pops white and full, is very productive, and of excellent quality. *By mail (postpaid)*, two nice sample ears, 10c.; pkt., 5c.; $\frac{1}{4}$ lb., 15c.; 1 lb., 25c.; 3 lbs., 60c. *By express (not paid)*, 10 lbs. for 60c.; 40 lbs. for \$2.00.

If you need a Large Quantity of any of these Corns, write us for Lowest Prices and Freight Rates.

Read the following voluntary testimonial from one of the oldest, most extensive and best posted corn firms in the world.

Messrs. C. P. Coy & Son, Waterloo, Neb., writes, Feb. 1st: "Last spring we sent to you for two bushels 'CLARAGE' SEED CORN and have grown 400 to 500 bushels. If there is better colored, better grained, or in any way a more desirable variety we have never seen it."



POTATOES FOR SEED.

IT PAYS TO
CHANGE SEED.

The necessity for changing Potato Seed often, is universally admitted by all well posted growers, but too seldom practiced, especially when the best seed can be had at so little outlay. By using our **Northern Grown Seed** you are assured of **early maturity, increased yield, and a vigorous growth**. Our growers in Michigan are potato specialists, and have grown for us for years, and the growth and extent of our potato trade is the result mostly of the growers' painstaking care and general knowledge in growing and selecting the seed stock with which to grow the crop. To grow healthy stock, they use first-class potato land, nothing but pure, well-matured, good-sized seed, treating the seed and spraying the foliage when necessary.

The potatoes are very carefully handled when digging and barreling, that they may not be bruised or otherwise injured.

Salted Potatoes.—If tempted to purchase Potatoes offered in the open market to use for seed purposes **beware of salted stock**. Salting is practiced quite extensively to keep eating stock from sprouting and to make them hold firm.

Buyers of Large Quantities are requested to write us stating what they desire, and we will endeavor to make such prices as will result in trade.

A BARGAIN.—If you even think you ought to buy a **Potato Planter** we will offer you a bargain in connection with a purchase of Potatoes. Write us.

OUR PRICES. The following prices are about what we think will rule for **good, straight, unmixed stock** for the coming season's planting, but if you receive lower quotations before placing your order write us (it costs but a trifle) stating what you may want, and we will bid for your order.

You may save dollars, for we are usually in position to meet and frequently do better than many other firms when we are given an opportunity. We do not care to compete with irresponsible houses, who frequently do not know one Potato from another.

We shall be pleased to correspond with any one wishing to purchase in larger quantities than are quoted below.

SPECIAL INSTRUCTIONS.

We will book orders at the following prices as long as our present stock lasts, no matter if there should be an advance in the market. We fill orders just as soon as the weather, in our judgment, will permit. However, we cannot become responsible for changes in the weather by which they might become damaged while en route. We will ship at any time when requested to do so, regardless of weather, **if customers wish to take their own risk**. When customers request it, we pack a barrel of two or three kinds without extra charge. **When ordering late** please state whether we shall return the money or send some kind of equal value, providing we cannot supply the sort you order.

Potatoes by Freight or Express at barrel, bushel, peck and $\frac{1}{2}$ peck prices. The buyer pays the freight or express charges. Our barrels contain two and three-fourths (2 $\frac{3}{4}$) bushels, **good measure**.

All transportation charges must be paid by the buyer.

No Potatoes sent C. O. D.

Potatoes by Mail Prepaid—Prices for small quantities of any variety of Potato in our list, unless otherwise quoted: One lb., 25c.; 3 lbs., 60c. Three dozen **Eyes** for 25c., postpaid.



Extra Early Ohio Potatoes

OUR SPECIALTY IN POTATOES.

NO STOCK CAN BE PURER.

MOST PROFITABLE FOR EARLY MARKET.

Some early kinds will give edible potatoes about as early, but their tops will be green for days after the Ohio's have ripened. It is two weeks ahead of the Early Rose, and is a special favorite with marketmen and the most profitable potato they can possibly grow. The sprouts are very strong, the vines grow erect, and is easy to cultivate; maturing early, brings highest prices, and the land can be used for other crops; does well on any soil suitable for potatoes. The tubers grow compact in the hill, are easily dug, very few small ones—nearly every one marketable size; few eyes, which are even with the surface. They keep firm until late in the spring. Southern growers plant this variety almost exclusively for early shipment North. With heavy manuring, **close planting** (they can be planted almost a half closer than others on account of their upright-growing tops) and good culture, a very large and profitable yield can be expected; 300 to 500 bushels per acre is not an unusual yield. This is our specialty in standard early varieties, and we have for years taken great pains to keep the stock pure and up to its original standard, but we are confident that many do not know a true Early Ohio and have grown some other

sort for it, having been deceived in the purchase of the seed. We know ours are right, because we renew our stock direct from Mr. Reece, the originator, every few years.

Michigan Grown Stock—One-half peck, 25c.; peck, 40c.; bus., \$1.25; bbl., \$3.50; 3 bbls., \$10.00.

Ohio Grown Stock—Peck, 35c.; bus., \$1.10; bbl., \$3.00; 3 bbls., \$8.25.

OHIO JUNIOR—Closely resembling its parent, the Early Ohio, but is rather rounder and said to be more productive. A good keeper and of excellent quality. Peck, 40c.; bushel, \$1.25; barrel, \$3.25; 3 barrels, \$9.00.

EXTRA EARLY SIX WEEKS—Evidently a seedling of Early Ohio. Peck, 40c.; bus., \$1.25; bbl., \$3.25; 3 bbls., \$9.00.

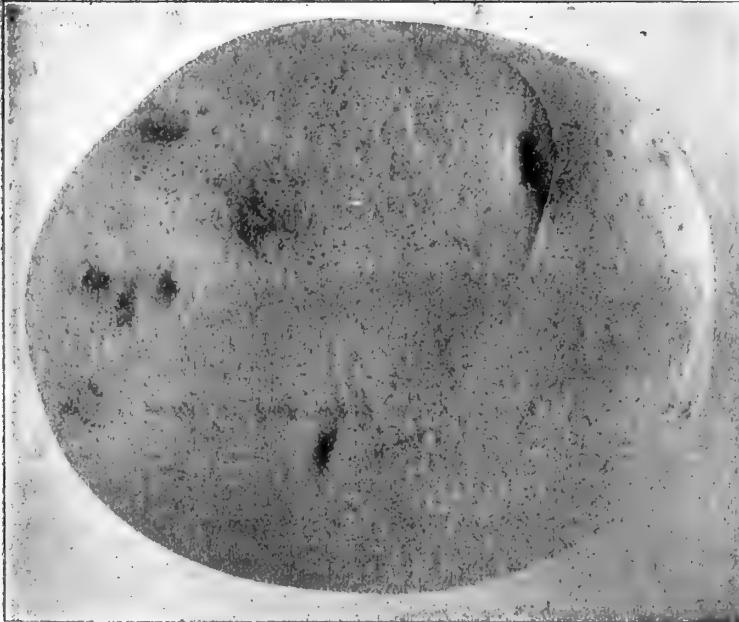
EARLY ROSE—**Pure, Genuine Old Early Rose.** Secure a new start of this variety while we have it. It is easy to get "Rose" at any time, but **True Early Rose** are hard to find for late years. Peck, 40c.; bus., \$1.25; bbl., \$3.00; 3 bbls., \$8.50.

EARLY HARVEST—About as early as the Early Ohio and a good companion for it. We believe this is the **best early white potato grown**, it follows immediately after Early Ohio but out yields it, also, such varieties as Early Puritan, Polar, etc. It is a large yielder of superb quality and fine appearance. A most valuable variety for marketing or home use; of large size, eyes, slightly indented, shape oval flattened, sometimes long oval. Our stock being direct from the originator it can be depended on as being correct. **Order early**, for our stock is limited. Peck, 40c.; bus., \$1.25; bbl., \$3.25; 3 bbls., \$9.00.

CARMAN No. 3—This new seedling was introduced last season and is one of the greatest yielders of large potatoes that was ever sent out. It bears its tubers very close to the plant, and is therefore easily dug. Its shapely form is all that can be desired. It is a perfect keeper and will not sprout until planting time, unless kept in too warm a place. Skin and flesh very white, eyes few and shallow, late in ripening. Peck, 40c.; bushel, \$1.25; barrel, \$3.50; 3 barrels, \$10.00.

CARMAN No. 1—Like Carman No. 3, is a seedling from seedlings, raised from several generations. It resembles the Carman No. 3 in shape, has very few and shallow eyes. The flesh is very white, perfect in quality and very dry. It is a great yielder of large sized tubers and a **Superior Second Early** variety. Peck, 40c.; bushel, \$1.25; barrel, \$3.25; 3 barrels, \$9.00.

SIR WILLIAM—A new variety that is claimed to be the best all round cropper on the market. In shape rather long, cylindrical, slightly flattened, eyes strong, few and prominent; skin light buff, flesh white, quality good, medium late. Peck, 40c.; bushel, \$1.25; barrel, \$3.25; 3 barrels, \$9.00.



STRONG POINTS claimed for the Banner are in brief as follows: None surpass, if indeed equal it, in **uniform handsome appearance**. Its slight, russety skin is of a light cream white color. **Its shape** is a little oblong and slightly flattened (cooking through easily). **The eyes** are not abundant, and very shallow, thus securing economy in paring. It seems almost entirely blight and scab-proof. **The size** is large and desirable, very few being under market size. Always smooth and regular in form, whether large or small; never produces prongy or hollow tubers. **The yielding qualities** are of the highest order. In habit of growth it is strong and vigorous from the very sprout. The past two very dry seasons have proved it a **great drouth resister**. **In quality** none surpass it, not even the old Snowflake. **The flesh** is very white, and whether boiled or baked has the same fine table qualities, always cooking dry and floury. **It is a medium late variety**, having a much wider usefulness than if strictly an Extra Early or Late Variety.

~~~~~GOOD WORDS~~~~~

We have many testimonials for the Banner, but the following from recent letters certainly proves all we claim:

S. Edson, Oceana Co., Mich., Nov. 28, 1896. "The Banner Potatoes took First Premium at our County Fair last fall. They are the handsomest, best flavored and yielders I ever raised."

R. B. Noel, Lafayette Co., Mo., April 4, 1896. "I raised 107 bushels of Banner Potatoes from the barrel ordered of you last spring."

Geo. Geier, Spokane Co., Wash. "I had twelve varieties of potatoes planted last year. The Banner is the best of them all."

H. E. Pierce, Madison Co., Ind., March 30, 1896. "Your Banner Potato is a 'daisy' sure, the best of five kinds planted; out-yielded everything on the place."

OTHER VARIETIES—We can usually furnish other varieties not quoted here, at customary prices. Write for prices of any kind wanted; also for **Special Price on larger quantities**.

~~~~~FREE~~~~~

Any purchaser of a barrel or more of Potatoes, at the prices quoted, may order any **one** of the following articles and it will be sent with the Potatoes **free of charge**:

- (1) **A CONCAVE POTATO KNIFE.**
- (2) **"THE NEW POTATO CULTURE,"** by E. S. Carman.
- (3) **A PACKET OF POTATO SEED.**

LIVINGSTON'S

Banner Potato

Handsome in Appearance, Immense Yielder, Desirable Size, Superior Table Quality. Grandest Introduction in 30 Years.

ORIGIN.—The Banner is a new seedling, and not an old sort renamed, as many **said-to-be** new ones are. The seed of the ball was sown the spring of 1881 by one of our Central Ohio growers. About a dozen plants were obtained, no two of which were alike. One, however, was so much more promising than any of the rest that it was carefully saved, cultivated and selected from year to year, until we offered it to the public in the spring of 1891 as **LIVINGSTON'S BANNER**, claiming it would at once become the finest **Main Crop Potato** on the market, and **probably** no variety ever introduced has made as good a record in three years with all classes of growers.

EARLY ORDERS.—**Everything points** in the direction of an **immense demand** for Banner the coming season, and while we have a good stock in store, we would advise customers to send in their orders **early**.

Retailers and Solicitors make good profits selling Banners.

PRICES: **BY MAIL**, (Postpaid)—1 lb. Potatoes, 30c.; 3 lb., 75c.; 50 Eyes, 40c.; 100 Eyes, 75c.

BY EXPRESS OR FREIGHT (Buyer to Pay Transportation Charges)—**CHOICE SORTED STOCK**—Peck, 40c.; $\frac{1}{2}$ bu., 70c.; bu., \$1.35; barrel, (2 $\frac{3}{4}$ bus. good measure), \$3.50; 3 bbls., \$10.00; 5 bbls., \$15.00; 10 bbls., \$28.00.

PRICE OF SECOND-SIZED STOCK—Bu., \$1.25; bbl., \$3.25; 3 bbls., \$9.00; 5 bbls., \$14.00; 10 bbls., \$26.00.

Please give plain shipping directions.

FOR BANNER~~~~~

John L. Wilson, Weber Co., Utah, February 2, 1896. "From one bushel of Livingston's Banner last season I raised forty bushels of the finest potatoes I ever harvested. The seed I raised from the one pound of Eyes bought of you in 1894."

Homer Mills, Noble Co., Ind., April 4, 1896. "We succeeded admirably last year with Livingston's Banner, have as fine potatoes as I ever saw, and are well pleased with them."

James E. Hall, Miami Co., Ohio, April 9, 1896. "I never saw such nice smooth potatoes and free from prongs as the Banner. I think it is a No. 1 potato."

Franklin G. Meyers, Bucks Co., Pa., April 8, 1896. "The Banner Potato I got of you last spring turned out exceedingly well."

NOTE:—WE GUARANTEE SAFE ARRIVAL IF OUR TERMS ARE COMPLIED WITH.

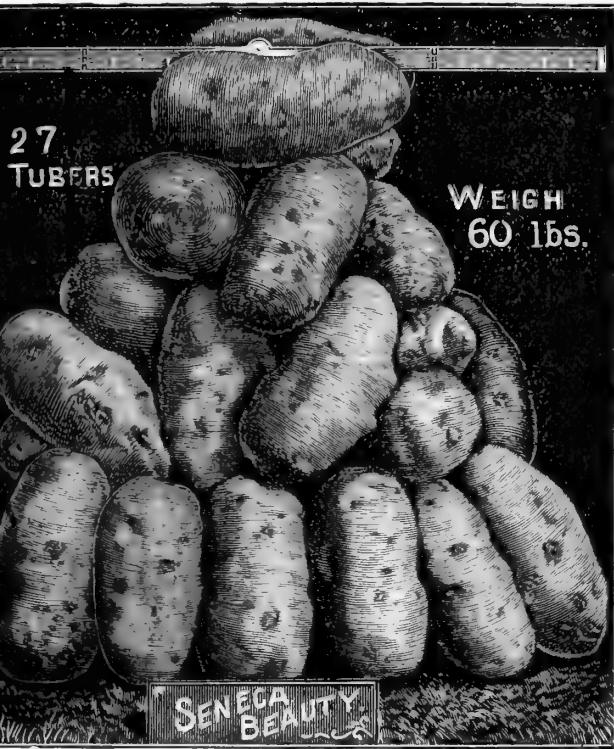
*** SENECA BEAUTY POTATO. ***

Introduced by us in 1889.—This grand good *medium late* potato was first offered to the public by us nine years ago, and *too much* has never been said in its praise. Its fine and distinct appearance sells it in any market, and its fine table qualities please all classes of customers. The tubers are large to very large, and very smooth, with few eyes close to the surface and of beautiful pink color; uniform in size and shape, scarcely any small ones. Vines rank and healthy, and loaded with beautiful blossoms. It has shown but very little tendency to blight, and is a good keeper and heavy cropper. One point in its favor which every grower will appreciate is its distinct appearance in shape and color, on which account it can be kept pure and easily sorted out, even if mixed with a dozen other kinds.

Michigan Crown Stock— $\frac{1}{2}$ peck, 25c.; peck, 40c.; bus., \$1.25; bbl., \$3.25; 3 bbls., \$9.00.

Ohio Crown Stock— $\frac{1}{2}$ peck, 25c.; peck, 40c.; bus., \$1.10; bbl., \$3.00; 3 bbls., \$8.50.

M. M. Davidson, Westmoreland Co., Pa. April 4, 1896: "THE SENECA BEAUTY is the handsomest potato that I have ever grown or seen. They are one of the very best to cook or bake."



The above twenty-seven potatoes were produced by Mr. D. F. Miller, noted potato grower of Illinois, who sent us the photograph from which we had the engraving made. We do not wish to convey the idea that this variety produces potatoes averaging over two pounds each, as this size would be *inconvenient* in most cases, but it shows what is possible under good cultivation. When we introduced this variety nine years ago, we offered a prize for the best bushel containing the least number of potatoes. The prize bushel contained forty-three very beautiful potatoes, but Mr. Miller has far exceeded this record, and his specimens are in fine form and shape—not prongy and ill-shaped, as is usual when overgrown in size. When we consider the past very unfavorable season, and that Mr. Miller was not striving for a prize, it will be seen that the results are remarkable indeed.

HYBRIDIZED POTATO SEED.

We offer a very fine strain of **Potato Seed**, the product of numerous hybridizations between many of the best new and old varieties in cultivation. **We frequently purchase promising Seedlings grown from seed purchased of us.**

Price (*postpaid*), 25c. per packet; 5 packets for \$1.00. Full directions for planting, cultivation, etc., on each packet.

Every Farmer Boy ought to "try his hand" with one or more packets of potato seed and his father ought to get him the



POTATO EYES. BY MAIL, POSTPAID.

A Money-Saving Plan for Customers.

This will enable farmers and others living at a great distance from Columbus to test some of our best varieties at trifling cost. We guarantee the *safe arrival* of each package in good growing condition, postpaid to any address in the United States, but should they not arrive in good shape *we must be notified promptly*. A collection of 160 Eyes, under favorable circumstances, should produce at least ten to fifteen bushels of fine potatoes, which is certainly good return for a dollar outlay.

We have a record on file in which the grower claims to have grown 9 bushels from 40 eyes planted in 40 hills.

EARLY POTATO EYE COLLECTION.

40	EYES OF EARLY BURR'S NO. 1.	160 EYES
	EYES OF EARLY FORTUNE.	all for
	EYES OF EARLY THOROUGHBRED.	\$1.00
	EYES OF WISE'S SEEDLING.	

MAIN CROP POTATO EYE COLLECTION.

40	EYES OF THE LIVINGSTON.	160 EYES
	EYES OF 'UNCLE SAM.'	all for
	EYES OF 'SIR WILLIAM.'	\$1.00
	EYES OF AMERICAN WONDER.	

Two Full Collections, one of each, if desired, will be sent for \$1.75, *postpaid*.

Forty Eyes of Livingston's Banner will be substituted for any of above kinds if customer so desires.

Clara A. Blair, Cumberland Co., Pa. July 23, 1896: "Potato Eyes reached us in good time and in fine condition. Are growing nicely. Thanks for prompt and satisfactory manner in which you treated me."

• • • SEED SWEET POTATOES. • • •

Jersey Crown—Specially packed and stored over winter for us, for sprouting purposes, in the State of New Jersey. We have been using and selling this stock for over twenty-five years and find the potatoes much drier and sweeter than those grown from any *Western grown seed*. **We repack before shipping, but we wish it distinctly understood that customers take ALL RISKS** after we deliver in good condition to the Express or Railroad Company here. We do not ship until about planting time. *Our barrels contain three bushels—good measure.*

We send **NO SWEET POTATOES C. O. D.**

YELLOW JERSEYS—Peck, 50c.; $\frac{1}{2}$ bus., 75c.; bus., \$1.40; bbl., \$3.50.

RED JERSEYS—*The best of all Reds.* A smooth potato with yellow meat. Peck, 60c.; $\frac{1}{2}$ bus., \$1.00; bus., \$1.75; bbl., \$4.50.

EARLY CAROLINA—Of bright yellow color, fine grained. *Desirable for Northern sections.* Peck, 50c.; $\frac{1}{2}$ bus., 90c.; bus., \$1.50; bbl., \$4.00.

"UP RIVERS." *A select strain of smooth, short, "chunky" Yellow Jerseys.* Yields 25 to 50 per cent more marketable stock, and sells higher than any other. Dry and sweet; decidedly the best eating potato of all. This is our specialty in Sweet Potatoes, and we recommend it above all others. Peck, 50c.; $\frac{1}{2}$ bus., 85c.; bus., \$1.50; bbl., \$4.00.

PLANTS—We grow plants by the million. Write for prices in season. (See Vegetable Plant Department.)

Plants by Mail (*postpaid*)—Well rooted Plants or Slips, ready about May 1, at 60c. per 100.

THE ABOVE PRICES are about what will rule, we think, but as there is liable to be a shortage of good seed at planting time the prices here quoted are **subject to market change** after about March 1.

WE WILL MAKE SPECIAL PRICES FOR LARGER QUANTITIES ON APPLICATION. WRITE US BEFORE YOU BUY.

"FORTY YEARS' EXPERIENCE WITH SWEET POTATOES."

By WALDO F. BROWN. The most practical and valuable work on the subject. Tells how to make beds, grow plants, set same, cultivate, harvest, store the crop, etc. Anyone can grow Sweet Potatoes without any trouble, if they will follow Mr. B.'s carefully written directions. It is the *short cut* for a new beginner and a help to many old growers. **Only 20 cents, postpaid, or FREE** with all orders for a barrel or more of "Sweets," *providing customers ask for it with their order.*

Joel M. Haskins, Hocking Co., Ohio April 22, 1896: "My seed came to hand all O. K. in good shape. The Sweet Potatoes were surely the finest I ever saw, and they are sprouting nicely now. Positively have the finest and best plants ever grown in this section, or that I ever saw, and all from your seeds."

seed, give him the ground, and time to attend same properly. The result is interesting, and often very profitable.

D. O. Frayer, Greenwich, Ohio: "From my packet of Potato Seed I raised 48 hills, yielding from 2 to 71 potatoes to the hill, ripening from Aug. 5 until vines were killed by frost. The largest round potato measured $2\frac{1}{4} \times 2\frac{1}{2}$ inches: the longest $4\frac{1}{2}$ inches: the heaviest weighed 4 ounces, and the heaviest hill 19 ounces."

John Parks, New Madison, Ohio: "Out of the packet of Potato Seed bought of you last spring I have 15 lbs. 11 ozs. of potatoes—nice ones, some as large as hen's eggs."

LIVINGSTON'S FLOWER SEEDS.

OUR FLOWER SEED LIST has been carefully revised, some new kinds added and all inferior kinds cast out, so that there is nothing in the list but what is worthy of cultivation, and, if reasonably well cared for, will give satisfaction. Our aim is to offer nothing but the best and *surest to please*, a *condensed* list of leading kinds, and not the most bewildering and extensive, wishing to please the masses rather than cumber our annual with every unimportant item which only a few people care for. Any flower seed not offered in the following pages will be secured on short notice at the price quoted in other catalogues.

 Add at least a few packets to your vegetable seed order.

DIVISIONS OF FLOWERS.

Flowers are usually divided into Annuals and Perennials. Annuals are those that bloom and ripen seed the first year, then die. Among these may be found some of our most brilliant and fragrant

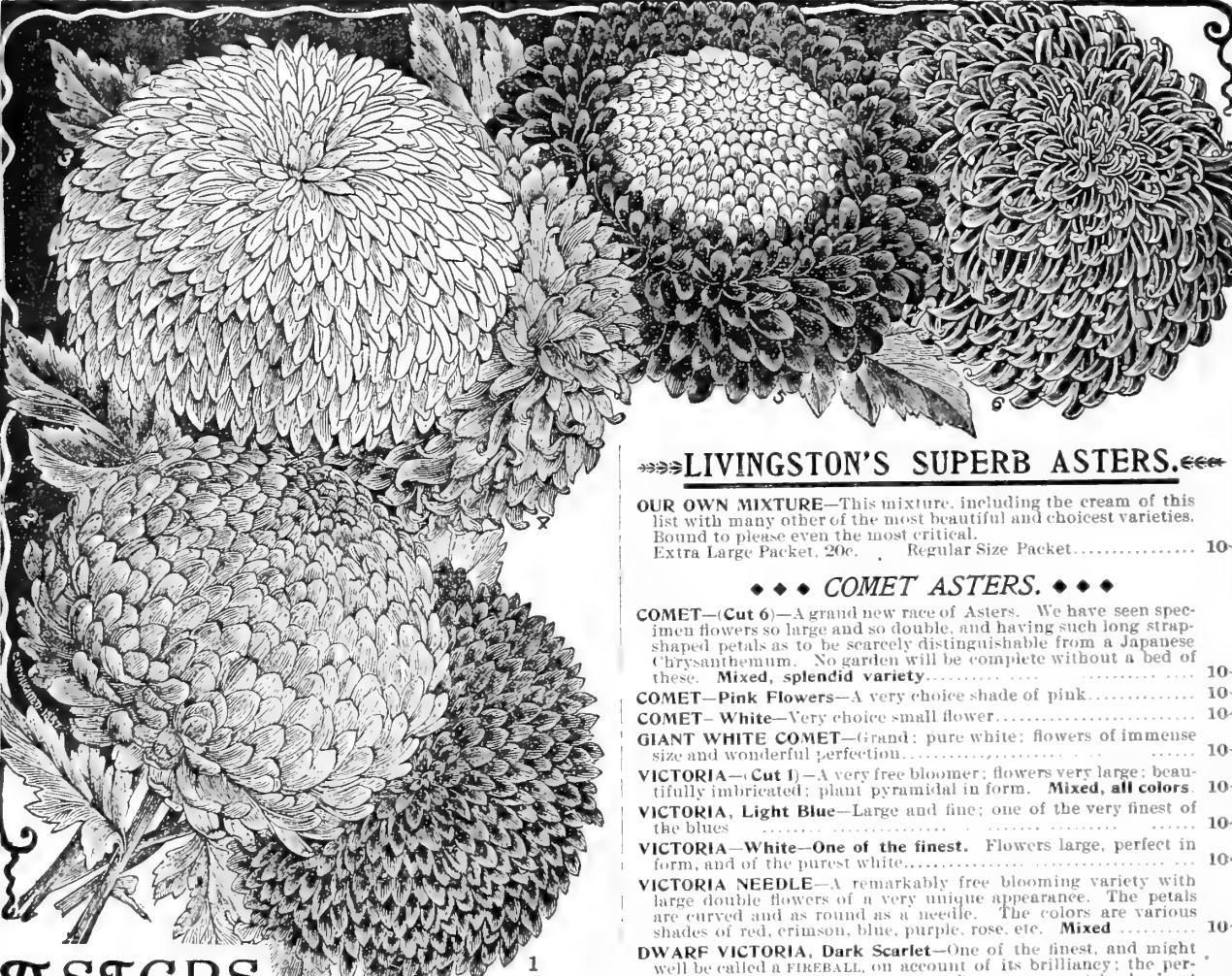
flowers. In fact, if you want flowers early in the season, and all the time until frost, a good selection of Annuals will not disappoint you.

Perennials are those that endure our Northern winters with little or no protection, and live and bloom for several years in succession. A large majority of the Perennials will bloom the first year if started soon in the spring.

 The figures at the right, opposite each variety, denote the price in cents per packet.

Discounts on Packet	For 25 Cents select 6 Five-Cent or 3 Ten-Cent packets.
	For 50 Cents select 14 Five-Cent or 7 Ten-Cent packets.
Flower Seed.	For \$1.00 select Packets to the amount of \$1.30.
	For \$2.00 select Packets to the amount of \$2.75.
	For \$5.00 select Packets to the amount of \$7.50.

ALL FLOWER SEEDS SENT FREE BY MAIL ON RECEIPT OF PRICE.



LIVINGSTON'S SUPERB ASTERS.

OUR OWN MIXTURE—This mixture, including the cream of this list with many other of the most beautiful and choicest varieties. Bound to please even the most critical.

Extra Large Packet, 20c. Regular Size Packet. 10-

◆◆◆ COMET ASTERS. ◆◆◆

COMET—(Cut 6)—A grand new race of Asters. We have seen specimen flowers so large and so double, and having such long strap-shaped petals as to be scarcely distinguishable from a Japanese Chrysanthemum. No garden will be complete without a bed of these. *Mixed, splendid variety*. 10-

COMET—Pink Flowers—A very choice shade of pink. 10-

COMET—White—Very choice small flower. 10-

GIANT WHITE COMET—Grand: pure white: flowers of immense size and wonderful perfection. 10-

VICTORIA—(Cut 1)—A very free bloomer: flowers very large; beautifully imbricated; plant pyramidal in form. *Mixed, all colors*. 10-

VICTORIA, Light Blue—Large and fine; one of the very finest of the blues. 10-

VICTORIA—White—One of the finest. Flowers large, perfect in form, and of the purest white. 10-

VICTORIA NEEDLE—A remarkably free blooming variety with large double flowers of a very unique appearance. The petals are curved and as round as a needle. The colors are various shades of red, crimson, blue, purple, rose, etc. *Mixed*. 10-

DWARF VICTORIA, Dark Scarlet—One of the finest, and might well be called a FIREBALL, on account of its brilliancy; the perfect flowers are borne in great abundance on a neat bush about ten inches high; effective in beds. 10-

DWARF VICTORIA, Mixed—A fine half dwarf. 10-

NEW ROSE—(Cut 4)—Magnificent flowers, in shape and size rivaling the finest roses. A great variety of brilliant colors, making a beautiful display. Robust habit; blossoms profusely, covering the plant: remains in perfection nearly a month. 18 ins. high. *Mixed*. 10c. *Pure White*. 10-

CROWN WHITE CENTER—(Cut 5)—Flowers of this beautiful class are two-colored: the center of each pure white, with the petals of bright colors, as crimson, carmine, blue, violet, etc.; full, double, of handsome shape, contrasting finely in color with the Rose and Perfection classes: 1½ to 2 feet. *Mixed Colors*. 10-

DWARF PYRAMIDAL BOUQUET—A magnificent dwarf variety; a single plant forms a complete bouquet of pyramidal shape, and covers itself with blossoms almost hiding the foliage. Fine for edging and small beds. *Many Distinct Colors Mixed*. 10-

GERMAN QUILLED—Well-known favorite and very distinct sort; a free bloomer; good for cutting. *Many Finest Varieties Mixed*. 5-

ANY THREE 10-CENT PACKETS FOR 25 CENTS.

See Novelty Pages for THE SEMPLE BRANCHING ASTERS.

ASTERS

"FALL ROSES."

This has become one of the most popular, beautiful and effective garden plants, growing from ten to eighteen inches high. For profusion of flowers and richness of display the Asters are unrivaled and constitute the principal adornment of our gardens during the autumn. Sow the seed early in the spring, under glass or in pots in the house, and transplant into rich soil about one foot apart, according to height of plants. Splendid for bedding, border and pot culture.

JEWEL, or BALL—(Cut 2)—A magnificent class; distinguishes itself at first sight by its beautiful short petalled and perfectly round flowers, which may be compared with the finest incurved Chrysanthemums. Flowers measuring from 2½ to 3 inches across, are as round as a ball, and, being borne on long stems, are very useful for cutting and bunching; about 24 inches high. *Mixed*. 10-

MIGNON—(Cut 3)—A new Aster of great beauty: resembles the Victoria class in habit of growth, but excels it in free blooming. Plants about 15 inches high: flowers of good size, reflex petals and very double. Is splendid in pots or the open ground. Undoubtedly one of the finest for cut flowers. *Mixed, New Shades* 10

MIGNON—Peach Blossom—Very fine. 10. Light Blue—Superb 10

Pure White—None surpass this splendid white for cutting 10

ASTERS—Continued.

PAEONY-FLOWERED ASTERS (TRUFFAUT'S)—The most perfect type of Peony Flowered Aster. Hard to surpass in size of flowers, brilliancy of color, and habit of growth. The flowers are of very large size and fine form, perfectly double, the petals beautifully incurved. The colors are peculiarly rich and brilliant, and the refined form of the flower attracts great attention. 1½ to 2 ft.

Mixed, many exquisite colors—½ oz., 40c

Separate Colors—White 10c. **Brilliant Rose**

Dark Blue—Extra fine 10c. **Crimson**—A fine red

Azure Blue 10c. **Brilliant Scarlet**

Sky Blue, Tipped White

SNOWBALL, or WHITE PRINCESS—A new and very distinct Aster. Every plant produces about thirty pure white flowers, which are semi-spherical with short petals lying scale-like upon each other, resembling a Dahlia flower. Its elegant, faultless shape makes it valuable as a cut flower; flowers very durable. 10

NEW TRIUMPH—Bears many large peony-formed flowers of great beauty; the most perfect of all Dwarf Aster. 7 to 8 inches high. 10

WASHINGTON—Largest Flowering of All, frequently measuring

four or five inches in diameter; very fine and of lovely color; 2 feet. **Choicest Mixed**, 10c. **Scarlet**—Very fine

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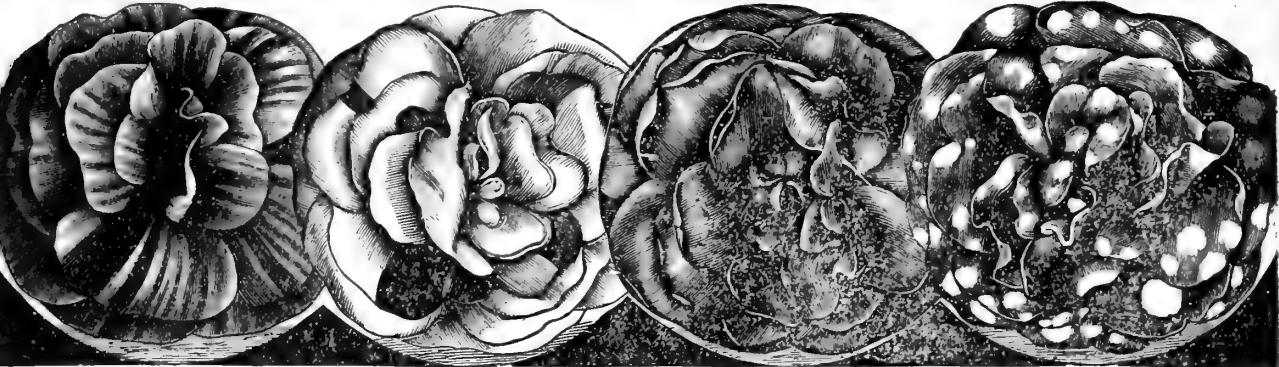
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BALSAMS.

"LADY SLIPPERS."

"TOUCH-ME-NOTS."

transplanted into a rich soil in a sunny position and frequently watered. To produce very double flowers they must be with the strong and bushy growing varieties. They can be pruned to any form desired, to two or three, or even one branch. *Tender Annuals.*

→ → LIVINGSTON'S PREMIUM BALSAMS. ← ←

Extra Double and Very Large Flowers—We beg to call special attention to the excellence of this unequalled strain. The flowers are immense in size, of fine form, and as double as a Camellia, which they resemble. The colors are as varied and brilliant as could be desired, even by the most fastidious: so double that it is a very shy seeder. **Living ton's Premium Mixture**—7 pkts., \$1.00; 3 pkts., 50c.....

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DOUBLE CAMELLIA FLOWERED BALSAMS.

Fine Balsams are one of our specialties, and we have taken special pains to secure the most double and largest flowers in the most distinct and striking colors.

Light Lemon—Very fine indeed

10

Victoria—Satin white, spotted with scarlet

10

Solferino—White, beautifully striped and spotted lilac and scarlet. 5

Double Spotted—In splendid mixture

10

Double Camellia-Flowered—Best Mixed—From the above and other kinds

10

Double White Perfection—Flowers snow-white, as round as a dollar, of immense size and thoroughly double

10

Double Rose-Flowered—Not as choice as Camellia-Flowered, but a very good strain and one of the best for florists' use. Choice mixed.....

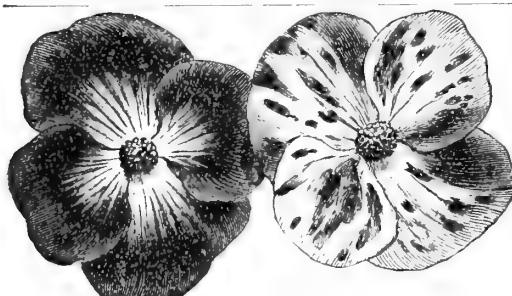
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Carnation Striped Balsams—Very pretty and attractive, but not quite so double as the Camellia-Flowered. **Finest Mixed**, many colors

5

Double and Semi-Double Mixed—All colors.....

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the second leaf appears prick off into flats or small pots filled with any good loose soil. Keep them slightly shaded from the direct rays of the sun and as near the glass as possible. In the fall take up the tubers and put in the cellar the same as you would a Dahlia.

Double, Mixed—Very choice.....

25

Single, Mixed—Extra fine.....

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FIBROUS ROOTED BEGONIAS.

NEW VERNON—(*Semperflorens Atropurpurea*)—This

new and distinct variety is altogether the best of its class. The plants grow to a medium size, of compact habit and very hardy; easily grown either in the house or open ground. The leaves are a glossy green color, in margined with bronze, and the flowers rich, brilliant red, and borne in the greatest abundance. A well-grown plant in a pot is one of the best ornaments to a conservatory or parlor, while a large bed of them in the garden will be the admiration and delight of all beholders.....

10

Begonia—Rex Hybrids—Large ornamental leaves of dark green, bronze, gold and red. They are grown for their variegated foliage, and are very desirable for house and garden decorations, in shady positions, and well adapted for baskets. **Mixed**.....

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REX BEGONIA.



BRACHYCOME.

BRACHYCOME. (*Swan River Daisy.*)

Free-flowering dwarf plants covered during the greater part of summer with a profusion of pretty Cineraria-like flowers; suitable for edgings and small beds or pot culture. Half hardy annual.

Light Blue and White Mixed.....

5



→ → BALSAMINA. ← ←

Very curious vine with ornamental foliage; fruit golden yellow, warty, and, when ripe, opens showing its brilliant carmine interior; fine for rockwork; ten feet.

Balsam Apple Per oz., 25c. 5
Balsam Pear Per oz., 25c. 5

5

BARTONIA.

Produces showy flowers above its gray and downy thistle-like foliage, which are exceedingly brilliant in the sunshine; it does not bear transplanting; hardy annual: 2 feet. **Aurea**—golden yellow

5

BALLOON VINE.

Cardiospermum Halicacabum, or **Balloon Vine**, is a curious half-hardy annual. Sow seed under glass, and if planted in the garden find it a sheltered situation.....

5

BEGONIAS.

Tuberous Rooted—Begonias are among the handsomest of our summer flowering bulbs; very popular; easily grown from seed if care is taken not to wash out the little seedlings when watering. They are covered the whole summer with bright and elegant drooping flowers; blooms the first season from seed if started in February or March in pots of fine soil. As soon as



VERNON BEGONIA.

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CENTAUREA, MARGUERITE.

CENTAUREA CYANUS, or BACHELOR'S BUTTON.

(**Corn Flower, Blue Bottle, Ragged Sailor, etc.**)—Very old favorite hardy annual; flowers freely in almost any situation; for cut flowers they are largely used both in Europe and this country, a little bunch of the blue Corn Flower being a favorite boutonniere.

Cyanus—Pure White; very fine. 5

Cyanus—“Blue,” or Emperor Flower. Fine Rich blue. 5

Bachelor's Button—A choice mixture. 5

New Centaurea, Marguerite—A beautiful new annual. It is the handsomest Centaurea known and should be planted in every garden. The plants grow about fifteen inches high and are of the easiest culture. The flowers are of the purest white, exquisitely fragrant, and are produced in great abundance. 10

New Double “Corn Flower”—Many new and novel colors of large double flowers in **Choicest Mixture**. 5



NEW DOUBLE CORN FLOWER.

WHITE LEAVED OR DUSTY MILLER VARIETIES.

Valuable for ribbon-bedding, the silvery whiteness of the leaves being effective with other colored leaved plants. Half hardy perennial.

Gymnocarpa—One of the best; white foliage; 1½ feet. 5

Candidissimi—Round, compact plants; silvery white; one foot. 10

COLUMBINE—(*Aquilegia*.)

Exceedingly showy, early blooming, hardy plants, especially valuable for the peculiar formation of their flowers and the great variety of color. Hardy perennial.

Chrysanthia—Bears through the season an abundance of bright golden yellow flowers.

Double, Mixed—Best and finest colors.

~~~~~CALENDULA.~~~~~

Showy, free-flowering, hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, and continuing in bloom until killed by frost; one foot high.

Meteor—Large, double yellow, striped orange.

Choice Mixed.....

~~~CLARKIA.~~~

The Clarkia is held in great estimation in Europe, and especially in England, where it is as common as the Candytuft. The flowers are very pretty and of many colors, double and single. As the plant is apt to suffer in our hot, dry summers, it is better to sow the seed in September, and the plants will be large enough by spring to make good bloom. Hardy annual; 1½ feet high.

Double and Single Mixed.

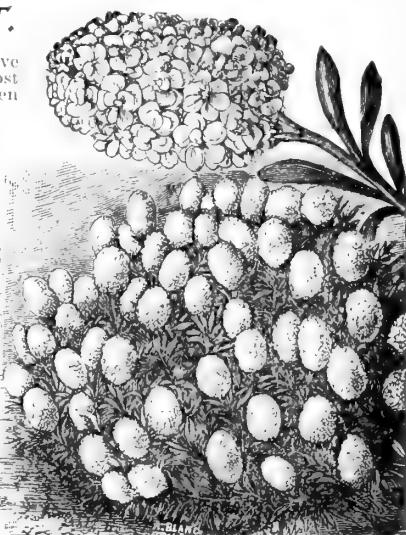
CACALIA—(*Tassel Flower*.)

Also known as “**Flora's Paint Brush**.” A showy plant of easy culture, producing beautiful scarlet and golden-yellow tassel-shaped blossoms. Sow early in spring in open ground; they bloom from early summer until autumn; valuable for small bouquets.

Half hardy annual: 1½ feet high. **Mixed**.....

CANDYTUFT.

The Candytufts have long been among the most highly prized of garden flowers, and cultivation has done much in producing improved varieties. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom: sow in rows six or eight inches apart, and thin out the plants so that those remaining will have plenty of room. The soil should be rich, and when blooming time comes keep the plants well watered, especially if it should be a dry time. The plants are very branching, and it is sometimes necessary to prune away some of the shoots in order to increase the size of the flowers. The Rocket Candytuft grows in compact spikes; the new dwarf varieties are only about six inches in height, and their season of blooming is very long.



CANDYTUFT.

New Empress—A magnificent variety, with enormous heads of pure white flowers. 10

White Rocket.....Oz., 15c. 5

Dark Crimson—Beautiful color.Oz., 20c. 5

New Dwarf Hybrids—Of dwarf habit and perfect shape, abundant flowers, from pure white to dark purple. 5

Tom Thumb—White; very dwarf; four to six inches high. Sown early will bloom in June.Oz., 20c. 5

Umbellata Lilacina—Purple lilac. 5

New Carmine—Dwarf plants with vivid carmine flowers. 5

White Fragrant.....Oz., 20c. 5

Mixed, All Colors.....Oz., 20c. 5

CALCEOARIA.

Unsurpassed for pot culture in the greenhouse or conservatory, producing the brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape, and for their richness, diversity and variety of color.

Spotted and Self-Colored, Finest Mixed.... 25

LARGE FLOWERING SELF-COLORED, Mixed

—The flowers are not spotted or marked. 25



CALCEOARIA.

CYPERUS, or UMBRELLA PLANT.

Grows finely in water with rich soil or mud. Graceful foliage plant; fine for vases, fountains; easily raised from seed; tender perennial. 10

Mrs. J. Steiert, Milan, Ohio, November 5, 1895, writes: “Your collection of Flower Seeds I received from you last spring was all that you represented them to be. The Aster especially were beauties. I was very much pleased with them all.”

◆◆◆◆ CATCHFLY.—(*See Silene*.) ◆◆◆◆



FRENCH CANNAS.

eral hours before planting; but the best way is through the shell, thus allowing the passage of water to the seed, which, in swelling, breaks the hard covering. The French Hybrid Cannas, though no better as foliage plants, have much larger flowers.

LARGE FLOWERING FRENCH CANNAS.

Queen Charlotte—New scarlet and gold, a beauty.....	10
Crozy's New French Hybrids—Saved from the handsomest of the new varieties. Most of them are very dwarf in habit, early bloomers, and very remarkable for beauty of both flower and foliage. Mixed varieties	10
Madame Crozy—Great clusters of vivid vermilion scarlet flowers with deep golden-yellow borders. One of the best.....	10
Chas. Henderson—Deep rich crimson.....	10
Florence Vaughan—One of the best yellows, spotted with red.....	10

OLD TYPE CANNAS.

Choice Mixed (Old Types)—Many kinds.....	5
Dark Leaved Varieties—Splendid Mixture.....	5



CAMPANULA.

CAMPANULA.

A well-known beautiful hardy herbaceous perennial, bearing a great profusion of attractive bell-flowers, thriving best in light rich soil: some of the varieties flower the first season if planted early. *Carpatica* and *Speculum* are fine for beds, edgings and ribbon-gardening.

Speculum—(Annual)—Venus' Looking Glass; a double blue variety; fine for cutting and bouquets; six inches.....

Carpatica—Free-flowering blue and white, continuing bloom the whole year. Six inches. **Hardy perennial.**.....

season. Fine for groups and edgings. **Hardy perennial.** Mixed.....

CANTERBURY BELLS.

Very ornamental garden plants of easiest culture, beautiful large well shaped flowers. **Hardy perennials.** 2½ feet.

Double Annual Varieties—Finest Mixed.....

Single Annual Varieties—Mixed.....

“Cup and Saucer” Canterbury Bells—(*Calycanthemum Campanula*)—This is a fine variety producing plants with flowers resembling a cup and saucer. **A splendid mixture** of blue, white, striped, etc.

CANNA.

(INDIAN SHOT.)

The Cannas are the coming plants of our gardens. The demand for them is rapidly increasing. They are erect, stately plants from two to six feet in height, with ample and elegant foliage. The leaves are green in some varieties and in some purplish and reddish. The flowers are bright colored—red or yellow—and variously marked, peculiar and very handsome in form. Plants once obtained can be kept from year to year, dividing them as they increase in size; on the approach of frosts they must be taken up like Dahlia roots and after lying out a few days to dry off, they can be stored away until spring in a cellar. The seeds are very hard and some soak them in warm water for several hours before planting; but the best way is through the shell, thus allowing the passage of water to the seed, which, in swelling, breaks the hard covering. The French Hybrid Cannas, though no better as foliage plants, have much larger flowers.

CYCLAMEN.

These elegant greenhouse perennials have been vastly improved of late years. Our strain is selected from the improved English sorts, and is conceded to be unsurpassed. Cyclamen seed sown early will bloom the following winter. **We can supply the blooming Bulbs.** (See Bulb Pages.)

Persicum —Finest mixed colors	10
Persicum Dark Carmine —Extra fine.....	25
Giant Persian —A magnificent strain, with large flowers of rich and varied colors, and large beautifully marked leaves. French Mixed.	25

CALLIOPSIS.

or COREOPSIS.

Very handsome and showy plants, with numerous flowers of brilliant colors and of long duration in bloom. Of the easiest culture, as they grow rapidly require no care and thrive in any garden. They make brilliant groups or low screens. Seed grows very readily and may be sown where plants are wanted to flower.

Golden Wave—(*Drummondii*)—Bushy, compact plants, covered all summer with hundreds of bright golden flowers two inches across, distinctly marked with dark brown center. Pkt., 5c.

Lanceolata—(New Golden

Coreopsis—One of the most showy *hardy perennials* grown, forming tall plants two to three feet high, and bearing in great profusion for a long period during the summer, large flowers of bright golden-yellow. Unequalled for cutting. Grows anywhere.....

Hybrida Double—Rich velvety maroon, bordered yellow; flowers are double and semi-double.....

Tall Sorts, Mixed..... Pkt., 5c. **Dwarf Sorts, Mixed**.....

All Sorts and Colors, Mixed.....

Grandiflora—Very large golden-yellow flowers: splendid for cutting. **Hardy perennial.**

CALIOPSIS,
GOLDEN WAVE

CANARY BIRD VINE.

One of the most desirable climbing plants, growing rapidly to a height of 10 feet; produces an abundance of bright yellow fringed flowers which resemble a canary bird with extended wings.

CUPHEA. CIGAR, or FIRECRACKER PLANT.

A favorite bedding plant, familiarly known as Cigar Plant on account of its fancied resemblance to a lighted cigar. 1½ feet.

Miniatia—A pretty little annual for pots or the garden, bearing numbers of curiously shaped flowers, of a bright vermilion scarlet.....

Platycentra—Scarlet. **Tender perennial.**

CHRYSANTHEMUM.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; good for pot culture, distinct from autumn-flowering varieties.

ANNUAL VARIETIES.

Eclipse—Pure golden, with bright purple scarlet ring.....

Brilliant Crimson—Very showy.....

Golden Feather—White, banded crimson, inner ring canary yellow, maroon eye.....

Double White.....

Double Golden Yellow.....

Double Lemon Yellow.....

Inodorum Flore Pleno—Best new sort, with large double white flowers; a free-bloomer; excellent cut flowers.

Single Varieties—Finest mixed.....

Double Varieties—Finest mixed.....

Double and Single in finest mixture.

All Sorts Annual Varieties.

PERENNIAL CHRYSANTHEMUMS.

The following varieties are for pot culture, for blooming in the house in winter, and for florists for cutting for bouquets.

Japonicum—These are gorgeous autumn-flowering plants. Quite distinct from the old varieties in style of flowers. Seed sown early will produce strong flowering plants the first year. The seed we offer is from a choice collection of named varieties.

Double Superb Mixed—All types

Double Good Mixed—All types

Early Flowering Varieties—Very fine.....

Frutescens—(“Marguerite” or “Paris Daisy”)—This variety, under the name of Marguerite, has obtained great popularity among florists. The pretty star-shaped white flowers are freely produced; the plant will grow under almost any circumstances.....

10

CARNATIONS AND PICOTEEs.—(PINKS.)

The most magnificent of all the pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in the open ground; protect during winter; half hardy perennials. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi-double flowers.

Carnations and Picotees—Stage-Flowers, all classes, extra fine mixed—Of unrivaled quality, and certain to give great satisfaction to the most critical.

25

Riviera Market —Of rapid growth and a splendid strain of perpetual Carnations, producing a large per cent. of double flowers, many fine colors, including yellow grounds	25
Perpetual or Tree —Fine for winter flowering. Double Choice Colors Mixed	25
Picotee—Choice Double Mixed	25
Red Grenadin —Habit dwarf and compact; brilliant double scarlet; very early	10
White Grenadin —Double early flowering; snow-white	15
Finest Mixed —Saved from finest double named flowers	15
Fine Double Mixed —A small percentage will come single	10
Early Flowering Vienna —For open ground culture; <i>choice double mixed, all colors.</i>	10

CARNATION PICOTEE.

NEW MARGARET CARNATION.

NEW MARGARET CARNATIONS.

They Bloom in about Four Months after Sowing the Seed. The flowers are of perfect form, large and *very sweet scented*. The brilliant colors range through many beautiful shades of red, pink, white, variegated, etc. What is of special value, the calyx never bursts. Those sown in spring commence flowering in early summer, and continue to bloom in profusion until checked by frost, when they can be potted and taken in the house and will flower all winter, though, if intended specially for winter flowering, it will be better to sow later in the season. The plants are abundant bloomers, quite dwarf, much branched, compact and robust in habit, stands upright without support. **Mixture of choice colors**

10

White Margaret—*Extra fine*, and produces nearly true from seed..

15

Giant Margaret—A new, and very fine large flowering strain

25

DAHLIAS.

Many people are not aware that Dahlias from seed sown in spring will bloom beautifully the first summer, and give good satisfaction. From one or two papers of seeds many plants can be raised, which will be of the greatest variety of colors, fully equal to many of the finest named sorts. Seed germinates quickly and easily, and plants grow rapidly. We would advise starting seed under glass, and transplanting to the garden in good rich soil the last of May, where they will grow with surprising rapidity, and bloom before you are aware of it. When not convenient to sow under glass, sow in open ground as soon as the weather permits.

Double Large Flowering—Extra choice mixed, from select flowers only

10

Double Pompon (Bouquet)—Extra choice mixed, from select flowers

10

Cactus Dahlia—Distinct and beautiful; worthy of general cultivation. **Finest mixed**

10

Dwarf Cactus—New, very fine.

10

Single Flowered, Mixed Colors—Flowers large, perfectly star-shaped, formed of broad petals. They grow and bloom very soon from seed

5

Striped and Spotted—New and very beautiful with finely cut foliage and large single flowers of perfect form and brilliant colors. **Mixed**

5

DOUBLE DAHLIAS.

Intense Scarlet, New—Single, and a beauty

5

Tom Thumb, New—Very dwarf, only about twelve inches high and twenty-four inches across. Splendid colors

10

Livingston's Mixture—Of many colors and kinds. 2 pks., 25c....

15

COCKSCOMB—(Celosia.)

Highly ornamental plants producing crested heads of flowers resembling a cock's comb. Flowers are of many colors and shapes, but the scarlet and crimson are the most brilliant and rich. Showy plants may be raised from seed planted in open ground in May. Often they are transplanted, or shifted, the larger and more beautiful they grow. Should be 3 ft. apart. Tender annual.

New Japan—The combs are delicately cut, while the colors are the brightest imaginable

5

Giant Empress—Grows about two feet high; has bright crimson combs, dark foliage, very beautiful

10

Queen of the Dwarfs—It grows only 8 inches high, combs 7 to 10

inches across, of perfect form and of brilliant dark scarlet

Glasgow Prize—Very dwarf; immense crimson combs; makes a fine border and excellent pot plant. One foot

5

Golden Beauty—Golden yellow combs; plants only one foot

5

Tall—Extra Fine Mixed

5

Dwarf—Choice mixture of all sorts and colors

5

DATURA.

(Trumpet Flower.)

An attractive plant with large foliage and a vigorous growth, producing a succession of large, trumpet-shaped flowers, larger than a Calla Lily and having a faint perfume. Two and a half feet.

Cornucopia—Horn of Plenty—Plant of robust habit, and, while not so hardy, assumes the proportions of a good-sized shrub in a single season. The flower is immense, often 10 inches long and 5 inches wide at the mouth, and conical, having three cones, one within the other, each with spreading, wavy margins. Color is fine purple-white, the former predominating outside, and the latter within the throat and tube of the flower

10

Fastuosa—Fine double, mixed colors

5

Wrightii—White and lilac flowers

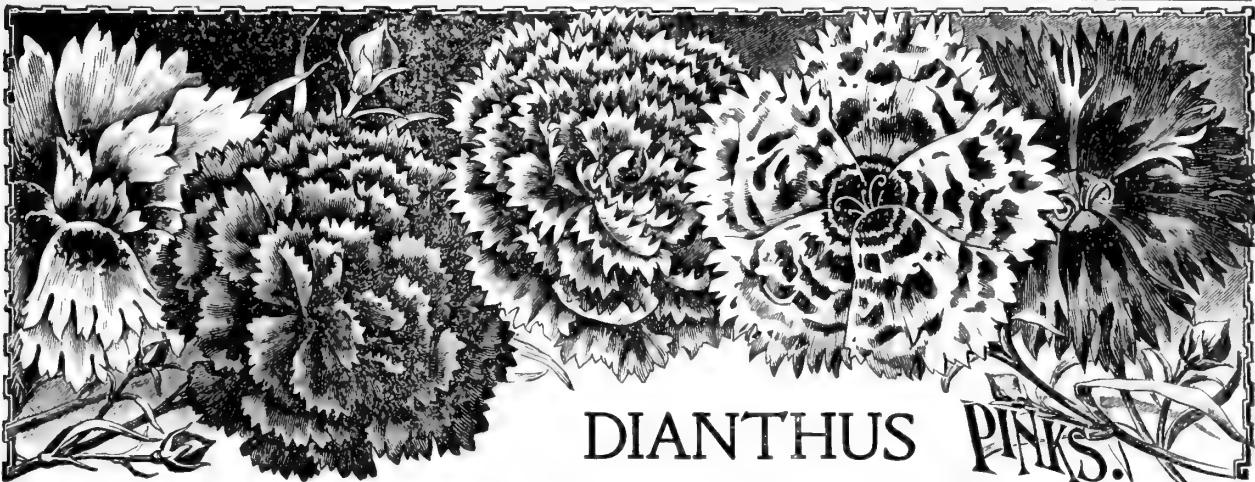
5

Double Golden—Yellow; fragrant

5

Double White .5c. **Double Purple**

5



DIANTHUS PINKS.

CHINA AND JAPAN.—Beautiful class of hardy pinks that flower freely the first season. Sow in a hot-bed, transplanting dwarf varieties six inches apart. If not kept too warm are useful house plants. Double varieties produce flowers as large as Carnation or Picotee. Hardy annuals that bloom the second season also if not allowed to bloom too freely the first. One foot high.

• • • DOUBLE ANNUAL VARIETIES. • • •

Chinensis (China or India Pink)—Superb varieties, double, mixed.	
Ounce, 30c.	5
Hedewigii (Double Japan Pink)—Beautiful double flowers; mixed colors.	5
Oz., 60c.	5
Diadematus (Double Diadem Pink)—Large flowers of dark shades, marked with white and black colors; rich and beautiful.	5
Oz., 75c.	5
Imperials (Double Imperial Pink)—Choice colors mixed.	5
Alba Flore-Pleno (Snowball)—Double white, fringed flowers; fine.	5
Mourning Cloak (White Frill)—A splendid variety, with very double large flowers, of rich purple maroon, almost black, each petal edged with a margin of pure white; distinct; very fragrant.	5
The Bride (Little Gem)—A charming new white with rich purple center; very pretty.	5
Laciniatus (Double Fringed Japan)—Magnificent flowers, very large, petals deeply serrated and beautifully striped.	5
Fireball —Densely double dark blood-red flowers; extra fine.	5
Double, Mixed —Many choice kinds. Large Pkt., 10c.; regular pkt.	5

DOUBLE DAISY. (BELLIS.)



A charming little plant for pots, edgings and borders. Give it a cool, partially shaded place. Sow seeds very early. The flowers are abundant in early spring and may be made to flower later by the use of water. Plants can be removed safely, even when in flower. Tender perennial. Six inches.

Double Mixed—Finest German seed. 10

Double White—Very fine. 10

Longfellow—Very double dark pink flowers; of unusual size. 10

Snowball—A large and very double pure white daisy. Flowers on long stems; excellent for cutting. 10

DOUBLE DAISY.

DRACÆNA. (Club Palm.)

Beautiful ornamental leaved plants suitable for vases and house decoration.

Mixed—Splendid sorts. 10



Summer-flowering annuals with very showy flowers. Sow where wanted to bloom, as they do not bear transplanting. Thin to 6 inches apart. The fine bushy plants grow about 1 foot. One of the best garden plants and easily grown. The large, brilliant saucer-shaped flowers are produced in great profusion.

Californica—Sulphur; orange center. **Single** 5
Mandarin—Large flowers of a bright scarlet; inner side rich orange. **Single** 5
Finest Mixed Single—5c. **Double Mixed** 5

ESCHSCHOLTZIA.

• • • SINGLE ANNUAL VARIETIES. • • •

Crimson Bell —Very large, single, brilliant dark red flowers.	5
Eastern Queen —Magnificent single flowers, two to four inches across. Most splendidly striped and stained.	5
Hedewigii, Mixed —Flowers 3 inches across; rich, beautiful colors.	5
Laciniatus, Mixed —Flowers very large, sometimes three inches in diameter; petals very deeply fringed and beautifully colored.	5
SALMON QUEEN —A most beautiful new Single Pink; the tints are distinct from all others; of the most brilliant salmon color imaginable; finely formed and nicely fringed.	10

• • • HARDY PERENNIAL VARIETIES. • • •

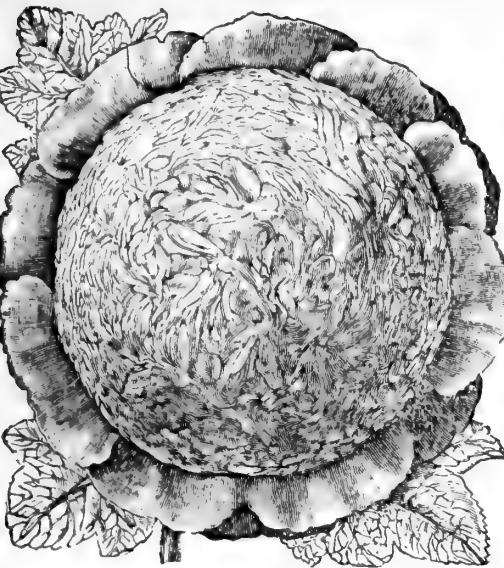
Adapted for beds and borders; sweet-scented; should be in every garden.	
PLUMARIUS (Pheasant's Eye)—A beautiful single pink, fringed edge, white flowers with dark center.	5
PLUMARIUS, Double —large flowering; fringed; many colors.	10
NEW PERPETUAL —Very beautiful, sweet-scented, double, semi-double and single flowers in a great range of colors.	10
GARDEN, OR CLOVE-SCENTED PINKS (<i>Hortensis</i> Varieties)—	

Beautiful double. Mixed colors. 5

DIGITALIS . "Foxglove" or "Witches' Fingers." Ornamental hardy border plants, easy culture, having long spikes of showy flowers. 3 to 5 feet. Mixed Colors .	5
Spotted Varieties —Very beautiful. Mixed .	10
Monstrosa, Mixed —Large spikes of novel and beautiful flowers.	10
EDELWEISS . (<i>Leontopodium</i>)—Famous and true Edelweiss of the Alps. Flowers of a downy texture, pure white, star-shape; easily raised from seed.	10

EUTOCA. Free-flowering; for beds, borders, etc.; excellent for cutting, because a branch placed in water will bloom many days, and is intense in color. Succeeds best in warm soil, not too rich. Hardy annual.	
Eutoca Viscida —Mixed Colors.	5
EUPHORBIA. "Foxglove" or "Witches' Fingers." Ornamental hardy border plants, easy culture, having long spikes of showy flowers. 3 to 5 feet. Mixed Colors .	5
Strong growing annuals suitable for beds of tall growing plants or mixed border; the flowers are inconspicuous; the foliage, however, is very ornamental.	





HOLLYHOCK. The Hollyhock, in its present state of perfection, is very unlike its parent of olden time; it now ranks with the Dahlia, Aster, etc. For a background to a flower garden, perhaps no plant is so useful; the flowers are as double as a rose, of many shades of color. Hardy perennial; five feet high. The seed we offer of this handsome flower has been saved from the best collections in Europe.

SUPERB DOUBLE VARIETIES:

Pure White	10c.	Pink	10c.
Lemon Color	10c.	Crimson	10c.
Faust—Black edged with white	10c.		
Chater's Finest Mixed—Double varieties of greatest perfection	10c.		
Extra Choice—Double mixed, many kinds	10c.		
Good Mixture	5		

~ ~ ~ HELICHRYSUM—(Everlastings.) ~ ~ ~

Large, full, double, everlasting flowers, of various colors, from bright yellow to scarlet, shaded and tipped, also pure white. Peculiarly desirable as dried specimens, and exceedingly handsome bouquets may be formed of them for winter, if blossoms be gathered when on the point of expanding. Sow in spring in any good garden soil, and thin the plants to one foot apart each way. Hardy annual.

Large Flowering Double Mixed	5
Double Small Flowered, Mixed Colors—A rich mixture	5
Dwarf Mixed—A mixture of dwarf kinds	5

~ ~ ~ HEDYSARUM— French Honeysuckle. ~ ~ ~

Handsome flowering plants, producing racemes of attractive pea-formed flowers. It bears some resemblance to the Scarlet Clover, but is a much bolder and handsomer flower, a desirable hardy perennial.

Coronarium—Fine scarlet	5c.	White	5
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~ ~ ~ HELIOTROPE. ~ ~ ~

Every one loves the delightful fragrance and beauty of the Heliotrope, but very few are aware of the fact that it can be raised from seed as easily as Verbena. Seed sown in open ground the plants will flower in August, while a fine display can be had earlier by starting the seed in the house and setting out plants when the weather is warm.

King of the Blacks—Very deep	10
Boule de Neige—(Snowball)	10
Dr. Livingston—Very fine dark sort	10
Choice Mixed—Dark flowering sorts, very fine	5
Fine Mixture—Of light and dark shades	5

Queen Marguerite—Very large dark blue flowers, elegant

New Blue—Large blue flowers with white center, new and very fine

~ ~ ~ IMPATIENS—(Zanzibar Balsam.) ~ ~ ~

This plant is of compact, neat habit of growth, and almost a perpetual bloomer. Planted out in the open air at the end of June, it grows luxuriantly, flowers with the greatest profusion. A beautiful plant for window culture in winter. Tender perennial. One foot.

Sultani—Bright rose

Splendens—Bright rosy carmine, splendid

~ ~ ~ HIBISCUS. ~ ~ ~

A branching plant of the easiest culture, with rather pretty foliage, and large flowers. The flowers are exceedingly showy, and continue to bloom from June to October. Hardy annual. Two feet high.

Africanus—Flowers cream yellow, with purple center

Crimson Eye—One of the best plants of recent introduction. The very large white flowers have a deep crimson center. Succeeds anywhere and blooms profusely from seed the first season if sown early

10

Giant Yellow—A shrubby perennial with flowers 6 to 9 inches in diameter. The color is a rich deep cream with velvety maroon center. Seed should be started early in the greenhouse or window, so as to set outside early in the season

10



HIBISCUS, CRIMSON EYE.

IPOMEEAS.

Moon Flowers.

Brazilian Morning Glories.

Climbers of rapid growth, with beautiful and varied flowers: for covering old walls, trellises, arbors, or stumps of trees, they are invaluable.

Ipomea Coccinea—Small scarlet flowers in profusion; also known as the "Star Ipomea"

5

Bona Nox—(Evening Glory)—Violet, large, fragrant flowers, expanding in the evening

5

Heavenly Blue—(Rubro-Cerulea)—Immense flowers of bright sky-blue, very beautiful

10

New Japanese Morning Glories—Some have silvery-white, marbled foliage, and all with large trumpet-shaped flowers, beautifully margined, of various colors; mixed, all colors. Oz., 40c.

10

Brazilian Morning Glory—(Selvatica)—

Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters very freely from July to frost. Leaves 8 to 12 inches across. As a quick growing vine and dense shade it has no equal, covering an enormous space in a few weeks' time. We know of nothing better for covering trees, porches, etc.

10

Mixed—All colors. Per oz., 30c.

Noon Day Glory—(Simulata)—A lovely climber, vines slender, leaves distinct from others being deeply cut, flowers open bell-shaped, white with red throats. Flowers open in the morning and close at night. Sow seed early after soaking in warm water until they swell.

10

LEARI—"Blue Dawn Flower"—This is a grand companion to the White Moon Flower. It has a lovely satin blue flower with crimson bars. Planted with the White the effect is great. Of easy culture outside and a grand greenhouse climber.

10

MOON FLOWER—White Seeded Ipomea Noctiflora, or Grandiflora Alba—The variety most generally grown, being larger in flower, firmer in texture, and of sweeter odor than the common black seeded variety. It bears in greatest profusion its lovely immense white flowers, five to six inches in diameter, with a five-pointed star in the center: the flowers open at dusk, or earlier on cloudy days, at which time they are deliciously fragrant. To obtain the best results, start early in the house and set out as early as safe in the spring; usually they begin to flower early in August, the vines are nightly covered with flowers emitting a rich odor. If planted in rich ground, in a sunny situation, the vines attain a height of 25 feet in a season. Oz., 60c.

10

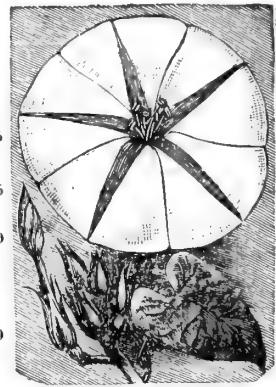
MOON FLOWER—New Cross-Bred, or Hybrid—Of great value for the North, as it is in full bloom fully one month earlier than the preceding, and while not quite so large as white-seeded, yet they are very numerous. It is of luxuriant growth. Flowers pure white, large and fragrant. Both foliage and flower vary in form on different plants, some being scalloped, others round, and others five-pointed or star shaped: the foliage also varies from the original shape to oak-leaved and heart-shaped. It grows with great rapidity to a height of 50 feet; the bright green foliage makes an admirable shade for verandas and arbors. Oz., 60c.

10

ICE PLANT. A singular looking plant with thick, fleshy leaves, which have the appearance of being covered with crystals of ice. Start early in pots, and transplant into light, sandy soil in a warm situation. Tender annual.

5

Ice Plant—(Mesembrianthemum Crystallinum)



MOON FLOWER.



Queen Marguerite—Very large dark blue flowers, elegant

New Blue—Large blue flowers with white center, new and very fine

~ ~ ~ IMPATIENS—(Zanzibar Balsam.) ~ ~ ~

This plant is of compact, neat habit of growth, and almost a perpetual bloomer. Planted out in the open air at the end of June, it grows luxuriantly, flowers with the greatest profusion. A beautiful plant for window culture in winter. Tender perennial. One foot.

Sultani—Bright rose

Splendens—Bright rosy carmine, splendid

15

.... **JOB'S TEARS**—(*Coix Lachryme*).

An ornamental grass which, when dried and tastefully arranged with everlasting flowers makes an attractive winter bouquet. Half hardy annual. One to two feet.

MINA LOBATA. A rapid and luxuriant climber for trellises, arbors, etc. Flowers tube-like, and borne 15 to 25 in number on graceful, drooping spikes from bottom to top of plant; bright red, changing to orange then cream. Tender annuals. Start early in pots. 15 to 20 feet. **Lobata**.

10

Mina—Sanguinea—A most beautiful annual climber; an improvement over *Lobata*, flowers earlier.

10

.... **MARIGOLD**.

A well-known magnificent plant with handsome flowers of rich and beautiful colors, and neat, compact green foliage, producing a splendid effect in almost any situation. The African is the taller and more striking in large beds and shrubby borders, while the French fills in front, or is used in small beds. Half hardy annual.



MARIGOLD, "LEGION OF HONOR."

Legion of Honor—"Little Brownie"—This is the prettiest and handsomest of all dwarf Marigolds. They bloom from the beginning of summer until late in the fall. Flowers are single, a most beautiful rich golden yellow marked with large blotches of velvety-brown. 1 foot.

10

Tall African—Mixed—Two feet high.

5

French Dwarf—Mixed—They form low, compact bushes with masses of fine very double flowers; one foot.

5

Eldorado—Immense double flowers, all shades of yellow.

5

Gold Striped—Deep red, striped golden yellow.

5

.... **MORNING GLORY**.

(*Convolvulus Major*.)

The best known and most popular annual climber we possess, growing 30 to 50 feet high; seeds germinate so readily that they can be grown in the garden any place where the plants are needed. Furnish support early.

A Splendid Mixture of Choicest Kinds—Many bright colors. Lb., 75c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.

5

White 5. Blue 5. Striped Rose.... 5. **Blood Red**....

5

NEW DOUBLE FLOWERING—Very rapid climbers; flowers mostly double, semi-double and a few may come single. Colors, blue, white, spotted, crimson, etc.

10

Variegated Leaf Morning Glory—(*Ipomoea Marmorata*)—Foliage beautifully striped and variegated; flowers of various colors.

10

New Japanese—See *Ipomoea*, page 73.

For Dwarf or Bedding Morning Glories see *Convolvulus Minor*.

.... **MUSA ENSETE**—(*Abyssinian Banana Plant*.)

Strikingly effective as single specimens upon the lawn, as well as in clumps or masses. Its rapidity of growth is astonishing; if the seed is sown early in the house, they will attain a height of 10 to 12 feet the first summer. Planted in a tub and given an occasional application of liquid manure and watered sparingly, they attain a gigantic size the second season. The leaves are magnificently long, broad and massive, of a beautiful bright green. **Musa**

25

.... **MATRICARIA**—(*FEVERFEW*.)

Free-flowering herbaceous plants, succeeding in any garden soil; fine for bedding or pot-culture; hardy annual.

Crispa Alba Plena—Very handsome double white flowers; dense and pretty curled foliage, like parsley; fine for ribbon beds. 8 inches.

10

Capensis fl. pl.—Double white flowers, splendid for bouquets, etc.

5

MAURANDIA. Beautiful, rapid, slender growing plants, blooming profusely until late in the autumn; also fine for the conservatory or greenhouse; if desired for the house take up before approach of frost. A half-hardy perennial, flowering the first season if sown early. One of the most popular climbers. 10 feet.

Mixed, Choicest Kinds 5



MIMULUS—(*Monkey Flower*.) Showy, profuse flowering plants, comprising numerous varieties with white, sulphur, and yellow grounds, spotted with crimson, scarlet and pink; fine for greenhouse or moist, shady situations; half-hardy perennials; blooms the first year from seed if sown early. Seed is very small and should be covered very slightly. **Tigrinus**—Fine Mixed spotted varieties.

5

Moschatus—(*Musk Plant*)—Fine for hanging baskets, etc.; small yellow flowers; the thin delicate leaves emit a pleasant musk odor.

5

.... **KENNILWORTH IVY**—(*Linaria Cymbalaria*).

A hardy and pretty little climber for covering rock-work, and very useful for hanging baskets, vases, etc. Hardy perennial.

10

MINA LOBATA. A rapid and luxuriant climber for trellises, arbors, etc. Flowers tube-like, and borne 15 to 25 in number on graceful, drooping spikes from bottom to top of plant; bright red, changing to orange then cream. Tender annuals. Start early in pots. 15 to 20 feet. **Lobata**.

10

Mina—Sanguinea—A most beautiful annual climber; an improvement over *Lobata*, flowers earlier.

10

.... **MARIGOLD**.

A well-known magnificent plant with handsome flowers of rich and beautiful colors, and neat, compact green foliage, producing a splendid effect in almost any situation. The African is the taller and more striking in large beds and shrubby borders, while the French fills in front, or is used in small beds. Half hardy annual.

Legion of Honor—"Little Brownie"—This is the prettiest and handsomest of all dwarf Marigolds. They bloom from the beginning of summer until late in the fall. Flowers are single, a most beautiful rich golden yellow marked with large blotches of velvety-brown. 1 foot.

10

Tall African—Mixed—Two feet high.

5

French Dwarf—Mixed—They form low, compact bushes with masses of fine very double flowers; one foot.

5

Eldorado—Immense double flowers, all shades of yellow.

5

Gold Striped—Deep red, striped golden yellow.

5

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(*Convolvulus Major*.)

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Mixed, Choicest Kinds 5



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Moschatus—(*Musk Plant*)—Fine for hanging baskets, etc.; small yellow flowers; the thin delicate leaves emit a pleasant musk odor.

5

MOON FLOWER—See Ipomoea.



MIGNONETTE.

.... **MIGNONETTE**.

A well-known plant producing dense, semi-globular heads of very fragrant flowers, borne on spikes 3 to 8 inches long. In bloom nearly the whole season. If sown at intervals during the spring and early summer it will bloom until killed by frost; sown in autumn will bloom early in spring; hardy annual; perennial if protected. 1 foot.

5

Reseda Odorata (Sweet Mignonette)—Well-known fragrant, hardy annual. Oz., 15c.

5

Parson's White—Robust habit; pure white. Oz., 40c.

5

Improved Victoria Red—A perfect beauty in every respect. Grows about six inches high. Beautiful pyramidal spikes of regular

5

large spikes of very sweet-scented flowers. Oz., 60c.

5

GOLDEN MACHET—New—Fine golden yellow flowers; large spikes

10

Gabriele—Very fine large spikes of red flowers. Oz., 50c.

5

Many Kinds Mixed Oz., 25c.

5

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Mixed, Choicest Kinds 5



MAURANDIA.

form, pretty brilliant red flowers, dark glossy green foliage.

5

Miles' Spiral—Entirely distinct from the older varieties. A strong grower and most abundant bloomer. Oz., 20c.

5

Grandiflora—Large flowers. Oz., 15c.

5

Golden Queen—Fine; flowers of a golden hue. Oz., 30c.

5

Machet—Plant dwarf and vigorous, of good habit, producing many

5

large spikes of very sweet-scented flowers. Oz., 60c.

5

GOLDEN MACHET—New—Fine golden yellow flowers; large spikes

10

Gabriele—Very fine large spikes of red flowers. Oz., 50c.

5

Many Kinds Mixed Oz., 25c.

5

NASTURTIUMS

NASTURTIUMS.

DWARF OR TOM THUMB VARIETIES—(*Tropaeolum Minor*.)

The improved dwarf varieties are among the most popular as well as useful of all annuals for bedding, massing, etc., owing to their compact growth, richness of color, and profusion of blooming. About one foot high.

Aurora—Deep chrome yellow, lower petals blotched and veined carmine.....

King of Tom Thumbs—Intense scarlet flowers, dark foliage Oz. 25c. 5

Beauty—Yellow, striped red.....

Ladybird—Rich golden yellow, and bright crimson spots; very showy. Oz. 25c. 5

Chameleon—Splashed crimson, bronze and yellow.

Pearl—Creamy white Oz. 20c. 5

Oz., 25c.

PRINCE HENRY—New and novel. Flowers brilliant golden yellow, spotted scarlet, tipped with wine red. Oz. 30c. 5

Crystal Palace—Sulphur, maroon spots.....

Ruby King—Light ruby red, and distinct foliage Oz. 25c. 5

Cloth of Gold—Scarlet flowers, yellow foliage.....

Spotted King—Dark leaves handsome.... Oz. 25c. 5

DWARF MIXED—Many fine kinds.....

Lb., \$1.40; $\frac{1}{4}$ lb., 40c.;

Oz., 15c.

Empress of India—Dark tinted leaves and crimson flowers.....

Oz., 25c.

Golden King—Brilliant yellow.....

Oz., 20c.

King Theodore—Bluish green foliage, flowers velvety crimson.....

Oz., 25c.

NEW TOM THUMB LILIPUT.

Gay and Festive—Mixture Lb., \$1.75; $\frac{1}{4}$ lb., 50c.; oz., 25c. 10

A grand variety of charming colors, and extra large beautiful flowers.

LOBB'S CLIMBING NASTURTIUM.

As easily grown as the common Tall Nasturtiums, but the brilliancy and profusion of blooming of the Lobbianum varieties render them superior for greenhouse or conservatory decoration in winter; also for trellises, arbors, vases, etc., in summer. Ten to fifteen feet.

OZ. PKT.

Asa Gray—Cream white, blotched crimson maroon.....

TALL OR CLIMBING VARIETIES.

Beautiful and luxuriant annual climbers for verandas, trellises, etc., of easiest culture. They are profuse bloomers until killed by frost. Stands heat and drouth without the slightest effect. The seed pods can be gathered while green and tender, for pickling. Six to ten feet.

Brilliant—Rich bright scarlet.....

OZ. PKT.

Giant of Battles—Sulphur spotted red.....

20 5

King of the Blacks—Deepest brown.....

20 5

Lucifer—Dark scarlet.....

20 5

Spitfire—Fine crimson.....

20 5

LOBB'S MIXED—Many colors, including the above and others; fine varieties......

15 5

New Climbing Hybrid Nasturtiums—A new race obtained by a French specialist. Dark colored foliage, the flowers are richer and colors more varied than other classes. oz., 25c.; $\frac{1}{2}$ oz., 15c.; 25 10

NICOTIANA.

A very pretty, large, flowering tobacco. An effective plant for groups. Half hardy annual.

Affinis—Rosy blush; produces freely; sweet scented, large star-shaped white flowers. Three feet.....

order of climbers of rapid growth, with singular large flowers, well adapted to house culture in winter or for training over porches, etc., or in sunny positions in the open ground in summer. **Cærulea**—Large flowers of violet and blue. 10

Colossea—New giant; immense foliage. Five to six feet.....

Incarnata—("May Pops")—This singular and beautiful climber will flower the first season from seed, and it is a remarkably pretty vine. Flowers 2 to 3 inches across, flesh white with purple rays; these are followed by beautiful golden edible fruits. The plants can be potted for winter decoration. 10

NIGELLA—(*Love in a Mist, or Devil in the Bush*.)

A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed pods; of easy culture in any garden soil.

Hardy annual. **Damascena**—Mixed, blue and white; 1 foot. 5

NEMOPHILA—(*Love Grove*.) This plant is found in almost every garden, and has a secure place in the heart of every lover of flowers. Of dwarf, spreading habit; well adapted for border or pot culture. Flowers are finely colored, blotched and spotted. Quite apt to sport into an endless variety of shades. Hardy annual. Six inches.

Fine Mixed—All colors.....

ŒNOTHERA—(*Evening Primroses, or Sun Drops*.)

Large showy flowers of various colors; hardy annual. **Fine mixed Mexican Primrose**.....

PENTSTEMON. A popular and most beautiful and attractive hardy plant. Bears long, graceful spikes of rich-colored flowers of white, pink, scarlet and blue, beautifully spotted and marked; will bloom in June the first season if sown early in March and planted out in May; half hardy perennial; 2 to 3 feet. **Large Flowering**—A splendid mixture 10

OXALIS. Pretty little half-trailing annual, for hanging bas-

kets, vases, rockwork and edgings, flowering in profusion, six to nine inches. **Mixed**—Annual sorts. 10

PERILLA. A very fine and dark ornamental-leaved annual.

Has a broad, serrated leaf of a purplish mulberry color; 18 inches or more in height. Very desirable for center of bed of ornamental leaved plants; also for a low screen or hedge.

Nankinensis.....

PYRETHRUM—(*Feverfew*.) **Hardy Flowering Varieties.**

Valuable hardy border plants throwing up numerous stems about 2 feet high, each sur-

mounted with large flowers 3 or 4 inches across, of colors, such as

rose, flesh, pink, crimson, etc. Remain in bloom a long time.

Single Large Flowering Hybrids—Mixed. 10

Double Large Flowering Hybrids—Mixed. 25

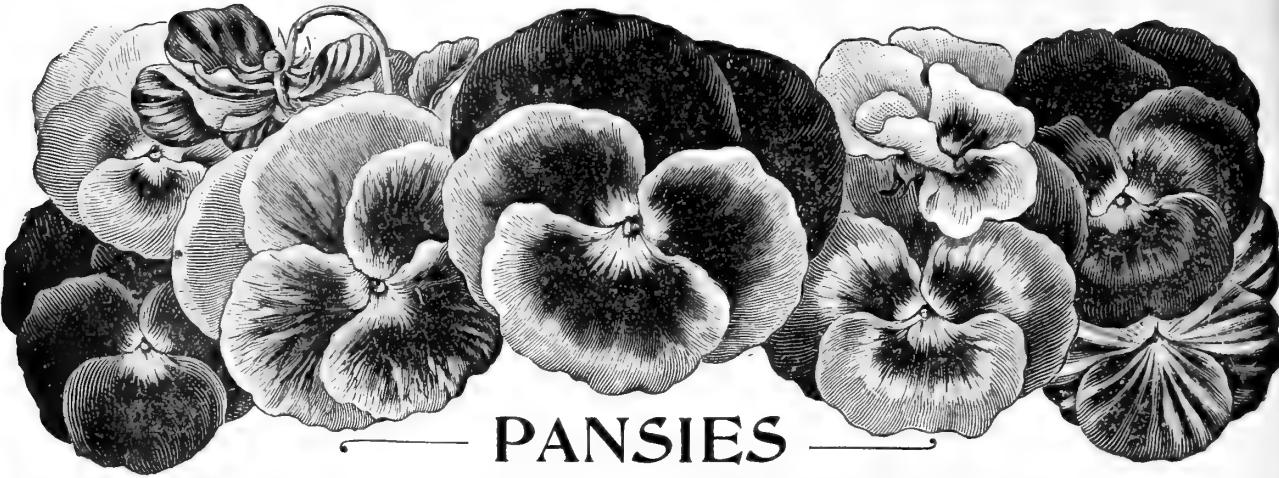
Roseum—(Persian Insect Powder)—Rose color; one foot. 10

Yellow Foliage Sorts for Bedding—Dwarf growing plants exten-

sively used for ribbon and carpet bedding; the plants grow about 10 to 12 inches high, with bright yellow foliage. These are usually grown as annuals, although they are perennials.

Aureum Golden Feather—Foliage deeply cut and fringed; a rich

golden yellow color; 12 inches. 5



PANSIES

THESE charming favorites are very much improved in size, shape and color, and no flower is more popular with florists and amateurs, giving abundance of bloom until after severe frosts, enduring our hard winters with safety, and greeting us in the earliest spring with a profusion of bright blossoms. It will flower better in the middle of summer if planted where it is somewhat shaded from the sun, and furnished with a good supply of water, but in almost any situation will give fine flowers in the spring and autumn. Pansy seed may be sown in the hot bed or open ground: if sown in the spring get in as early as possible, so as to have the plants in bloom during the early rains; they are easily transplanted. Seeds sown in a cool place in June or July, and watered until up, will produce fall flowering plants; if sown in October they will flower in early spring. To have good flowers the plants should be vigorous and make a rapid growth. Young plants give the largest flowers.

Our Pansy Seed is the Best to be obtained. This favorite flower is one of our specialties, and the following varieties and mixtures are secured from special Pansy Growers in the United States, England, France, Germany and elsewhere, regardless of cost. We do not hesitate to recommend them with the greatest of confidence to florists having the most critical trade. No one can offer better stock, ALTHOUGH THEIR PRICES MAY BE HIGHER. At the prices quoted we give liberal size packets, according to the quality of the seed.

LIVINGSTON'S FANCY MIXTURE—Seed saved from largest flowers of most perfect form, richest colors and first-class in all points. Universally admired and sure to please all lovers of choice, large and fancy Pansies. 3 packets for 60c 25

Empress Pansies—We have secured, direct from the originator, a noted Pansy specialist of England, a few packets of this extraordinary fine "make-up" which has carried off more prizes than any other shown at the many critical exhibitions in that country. 25

Giant Trimardeau—*Flowers of enormous size.* An altogether distinct and beautiful new race, the flowers of which are larger than any hitherto produced. Each flower is marked with three large blotches or spots, and the plants are of compact growth and produce an endless variety of beautiful shades. iced

Giant Yellow—One of the finest and showiest. A beautiful clear yellow, heavily blotched on the three lower petals.

Giant Trimardeau White—Flowers very beautiful, white, with a violet eye.

Giant Striped—Flowers of enormous size, beautifully striped.

Striped and Mottled—Large flowers; splendid.

Giant Cassier's—A French strain and the largest flowered and heaviest blotched of this class. Seed saved from very large and beautifully blotched perfect flowers. Rich and showy.

Parisian—Large Stained—New. A fancy strain of Trimardeau.

Giant Black-Blue—Large and very dark.

Giant Azure Blue—Superb.

Giant Beaconsfield—Combination of purple and lavender.

Meteor—New. Bright brown.

Bugnot's Giant Blotched—The finest of all Pansies. Flowers are of enormous size, nearly circular in form, and in a great variety of the handsomest and rarest colors, including some shades not found in any other variety. Each petal has a distinct, deeply colored, broad blotch, branching in narrow veins to the edge. 3 packets for 60c 25

Red Victoria—New. Red, fine and very effective color; the large blooms are of good substance and form.

Peacock—New. Bright colored and curiously marked, large and beautiful Pansy from England. The flower is very perfect, the upper petals being of a beautiful ultramarine blue, resembling in shade the Peacock feather, while the lateral and lower petals are of a deep claret, with white margins.

Odier, or Five-Blotched—A beautiful strain of various colored, large, handsome, perfectly formed flowers, dark spots on each petal.

Emperor William—Large, handsome flowers, brilliant ultramarine blue, with purple violet eye; borne in great profusion.

Black Blue—Very rich and constant.

Fire King—Golden yellow, upper petal purple; very showy.

Lord Beaconsfield—A highly attractive variety; deep violet, shading to heliotrope, and white on the upper petals.

Quadricolor, or Pheasant's Eye—One of the prettiest and most peculiar; the flowers are of a reddish steel blue, red and white edge.

Belgian Striped—Lovely class; beautiful flowers of various shades.

English "Face" Pansy—Flowers light and dark blue in color, each marked with a distinct "face".

Azure Blue—Extra fine.

Light Blue—Lovely; nearly sky blue.

Yellow (black center)—Splendid.

Yellow Gem—Without eye; very fine.

Dark Purple—Rich deep purple; fine.

Mahogany Colored—A very fine variety.

Snow Queen (Snowflake)—Delicate satiny white; very pretty.

King of the Blacks Faust—Almost black; darkest known.

Silver-Edged—Dark purple, with a distinct white edging; a most charming Pansy.

Gold Margined—Splendid.

Pure White (black center)—Showy.

Violet—Margined with white; extra fine.

Havana-Brown—New shades.

German Imperial, Mixed....

French Pansy—Large flowering, in choice mixture.

Non Plus Ultra—Very choice mixture of finest varieties. The finest mixture ever sent out by a noted German Pansy specialist.

International Mixture—A favorite mixture.

Mammoth Butterfly Mixture—Fine. 2 packets. 25c.

Large Flowering—Many separate colors and choice kinds. Very fine mixed. $\frac{3}{4}$ oz., 75c.: 3 pts., 25c.

Good Quality, Mixed—Oz. \$2.00: $\frac{1}{2}$ oz., 40c.: 4 pts., 15c.

Special Pansy Offers.

We offer buyers Choice of one or more kinds of above—

Five 5c. pkts., 20c.; three 10c. pkts., 25c.; seven 10c. pkts., 50c.; three 25c. pkts., 60c. Fifteen Packets of the

brightest and best Pansies, our selection of varieties, will be mailed for ONLY \$1.00.

PRIMULA (Chinese Primrose).

Charming, profuse blooming plants for winter and spring decoration in house. Sow seed in March, cover lightly and keep moist. Transplant as the second leaves appear, and continue shifting as they grow.

FIMBRIATA LARGE FLOWERING FRINGED SORTS.

Pure White—25c. **Fern Leaved, Choicest Mixed**—Carmine and white.

25

Large Flowering Fringed—A superb mixture that gives the greatest satisfaction.

15

Large Flowering (Unfringed)—Finest mixed, for general purpose will give good satisfaction.

10

Double Fringed Large Flowering—Mixed; splendid.

10

Obconica—A lovely and profuse blooming Primrose, bearing on long stems heads containing 10 to 15 beautiful flowers. White, shaded occasionally with a tinge of lilac; an ever-blooming plant producing elegant clusters of flowers having the true primrose fragrance.

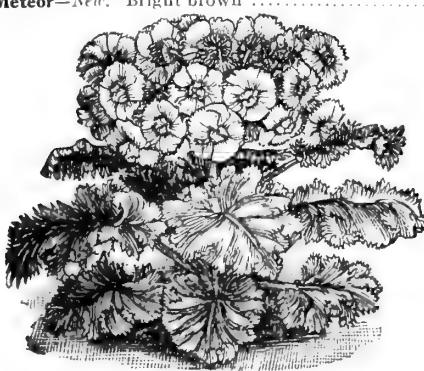
10

Floribunda—One of the prettiest and best blooming of all Primroses; readily raised from seed; one of the Obconica type, differing in color of the flower, which is a lovely shade of primrose yellow. Very fragrant free blooming; thrives under window cultivation.

15

Japonica (Japanese Primrose)—One of the most beautiful. Bright, showy flowers, borne on stems 6 to 9 inches high. Seed is usually slow to germinate. Mixed colors.

10



PRIMULA.

PHLOX DRUMMONDII.

The Phlox Drummondii, for splendid mass of colors and a constant display, is not excelled by any other annual or perennial. It has every desirable quality for this purpose. The colors range from the purest white to the deepest blood purple or crimson. Seed may be sown in the open ground in May, or in hot-bed or cold frame earlier, and in either case, from June, during the summer and autumn, they make a most brilliant bed of showy, yet delicate flowers, blooming continually until frost. A good ribbon bed of the Phlox is a most dazzling sight, and there is nothing so cheap. In a good, rich soil it will grow 18 inches high. Set the plants one foot apart; easily transplanted.

Phlox, Many Choice Varieties, Mixed.

Oz., 50c.; $\frac{1}{2}$ oz., 30c.

LARGE FLOWERING PHLOX (Grandiflora.)

A decided improvement on the Drummondii. The flowers are perfectly round and almost double the size, and the colors are most brilliant. **Intense Scarlet** 5c. **Scarlet Striped**—A beauty 5c. **Black Brown**—Darkest of all. **Carmine**—White eye 5c. **Large Yellow**—Of fine form and color 5c. **Crimson**—Very bright; one of the most effective for masses 5c. **Rosea**—Pink, with white eye 5c. **Pure White**—Beautiful; fine for cutting; extra large 5c. **Stellata Splendens**—Vivid crimson, with a pure white star-center, contrasting beautifully with the crimson. 5c.

LARGE FLOWERING—OUR SPECIAL MIXTURE—In richest varieties of colors. Oz., 75c.; $\frac{1}{2}$ oz., 40c.

STAR-SHAPED PHLOX—Star of Quedlinburg, (Fringed Phlox)—The plant is of dwarf compact habit and bears large umbels of flowers. As easily grown as the common Phlox and flower just as profusely during the entire summer. **Extra Fine Mixed Seed**, comprising many varieties of this odd and beautiful strain 10c.

Phlox Drummondii "Graf Gero"—This new strain forms compact plants, well adapted for pot culture; an excellent market plant. Finest mixed colors 10c.

DOUBLE PHLOX.

Of late years several semi double flowering Phloxes have been introduced, the value of which as cut flowers will have been recognized by those who have tried them.

Note.—In order to produce the best double flowers they should be grown in a light, sandy soil.

Double Yellow—A very pretty light yellow. 10c.

Double White—Produces charming double white flowers, 60 to 70 per cent. being double. 10c.

Double Crimson 15c. **Mixed Double** 10c.

HARDY PHLOX (Perennial.)

They are perfectly hardy and need no protection; will flourish in any soil; succeeding better, however, in deep, rich, moist ground.

Best Mixed—Saved from the newest sorts. 10c.

POPPIES.

showy and ornamental plants with large flowers of brilliant colors. Very attractive in large beds, clumps, and mixed borders. They are of easy culture, and will succeed in any garden soil, flowering in great profusion all summer if sown early in the spring. The seed should be sown where it is to remain, as they do not bear transplanting. 2 feet. Hardy annual.

TULIP POPPIES—The large and splendid flowers are of the most dazzling scarlet imaginable. The two outer petals resemble a saucer in which are set two erect petals of the same color. The color is of such richness as to fairly dazzle the eye. 5c.

FAIRY BLUSH—Immense globular flowers, perfectly double, and measuring 4 to 5 inches across; elegantly fringed, and pure white with rose tipped petals. 5c.

Carnation-Flowered—*Double*—For dazzling richness and variety of colors, the flowers are unequalled. Oz., 25c.

Peony-Flowered—Large, showy double flowers. **Mixed**—Oz., 20c.

ICELAND POPPIES—The fragrant elegant flowers are produced in succession from early in June to October. The flowers will last a week if cut as soon as open. Rose, white, scarlet and gold in **Fine Mixture** 5c.

Bright Yellow 5c.



THE SHIRLEY POPPY.

PORTULACA.

"Rose Moss"—Should be in every garden. There is scarcely any flower in cultivation that makes such a dazzling display of beauty as a bed of many-hued, highly colored Portulacs. They are in bloom from about the first of July until killed by frost. Plant in open ground after it has become warm. They delight in light, sandy soil, and a dry situation. After they appear withhold water, and if the bed has a full exposure to the sun, the ground will be covered with the plants, and the effect will be beautiful. Tender



DWARF OR NANA COMPACTA PHLOX.

This new strain is of a dwarf, compact habit, and makes desirable pot plants; also for ribbon lines and massing; ten inches high.

Extra Fine Mixed 10c.

Snowball—Excellent 10c. **Fireball**—Extra fine 10c.

Triumph—Beautiful shining scarlet 10c.

Delicata—Blush; charming 10c.

SHIRLEY—A new strain of marvelous beauty. The colors range through shades of delicate rose, pink, carmine and brilliant crimson. Many of the flowers are edged with white and the petals have a glossy, silk-like texture. 5c.

Snowdrift—Pure snow-white, extremely double flowers of perfect form; large size. 5c.

Oriental—Large, gorgeous blossoms, of darkest red; beautiful; one of the showiest of hardy Perennial Poppies; specimen flowers have been grown to measure nine inches. 5c.

Mephisto—*Etra large* flowers with deeply fringed edges, pretty rose and scarlet colored single flowers. **Mixed** 5c.

Japanese Pompon—Flowers are small, but very double and very numerous; many lovely shades **Mixed**. 5c.

Peacock—Vivid scarlet, cherry-red at base, with jet-black zone. 5c.

Ranunculus-Flowered—*Small Double French*—A very rich mixture. 5c.

Mikado—Very distinct in color and character. Large, double, pure white flowers, with elegant curled petals, edged with scarlet. 5c.

American Flag—One of the prettiest; a pure white ground, margin orange scarlet. 5c.

Golden Gate—A fine mixture of singles, doubles and semi-doubles, with no end to the colors. 5c.

Livingston's Mixture—This mixture is composed of many excellent sorts and colors; will surely please. Oz., 10c.; $\frac{1}{2}$ oz., 25c.

ANY SEVEN 5-CENT PACKETS OF POPPIES FOR ONLY 25 CENTS.

annual; 9 inches high. The blossoms of the **Double Varieties** are about $1\frac{1}{2}$ inches across, perfectly double and of many colors. Not all of the plants will be double, but the single ones can be pulled out. The flowers of the double sorts remain open all day. They will stand any amount of dry weather.

Finest Single Mixed—Many beautiful sorts—Oz., 10c.; $\frac{1}{2}$ oz., 25c.

Double White 15c. **Double Rose** 15c.

Double Yellow 15c. **Double Scarlet** 15c.

Double Rose-Flowered—As double as the most perfect rose; finest quality. **Mixed colors** 10c.

PETUNIAS

are unsurpassed, if indeed equaled for massing in beds. Their richness of color, duration of bloom and easy culture will always render them welcome and popular. They will do well sown in open border in spring, or earlier in a cold frame or hot-bed; and transplanted eighteen inches apart. By the latter process they will come into bloom much earlier, though they will do perfectly well sown in the open ground. Be careful not to cover the small seeds too deeply; they like a sandy loam. Hardy annual.

NEW STRAIN OF

PETUNIAS



CALIFORNIA GIANT
PETUNIA FLOWER.

RODANTHE. This well-known annual is one of the best everlasting flowers, valuable for winter bouquets, but especially desirable as an ornamental bedding plant in summer and for pot culture in winter. They remain in bloom a long time. For winter bouquets the flowers should be cut before fully expanded, and, if dried in the shade, will retain their brilliancy for years. The leaves are heart-shaped and lustrous, and the calyx long, sealy and shining. Seeds should be started and the plants transplanted to a warm situation one foot apart. Colors, white, pink and crimson; 1 foot high. **Many Colors Mixed.**

ROSES. (Dwarf Polyantha, or Japanese Hybrid.—Roses.)

Midget, or "Fairy" Roses—These beautiful little roses are very double (seldom single) borne in many-flower clusters and contain all the tints of cultivated roses. They grow only ten inches high and commence blooming in a few weeks after the seed is sown. They make a fine show the first season but are not at their best until the second year. They continue to bloom year after year in profusion from May until frost. *Sow in a cold frame in February and plant out during April.*

15

ROCKET—(*Hesperis*.) The Sweet Rocket produces large clusters of flowers which are very fragrant. Seeds rapidly germinate in the open ground with very little care. Hardy perennial; 1½ feet high.

Mixed—Purple and white

5

RICINUS—(*Castor Oil Bean*.) Stately, strong-growing plants, with very ornamental foliage, particularly adapted as center plants of groups of Cannas, Japanese Maize, Caladiums, Dahlias, etc. Annuals. Of very quick growth in rich soil.

Zanzibarensis—A new and distinct class which surpass in size and beauty all the varieties hitherto known. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. We grew them last season with leaves from 3 to 4 feet across. The different varieties included in our mixture of four sorts have light and dark green leaves and some of coppery bronze changing to dark green, with reddish ribs. The seeds are large, distinct in color and beautifully marked. Oz. 25c., ½ oz., 15c.

5

Coeralescens—Bluish green; very fine

5

Cambogensis—New—Large palm-like leaves of a bronzy-red mahogany; stalks and stems nearly black. Six to eight feet.....

5

Borboniensis Arboreus—Showy foliage; 15 feet.....

5

Giganteus—Leaves immense, richly veined and marbled; 10 feet.....

5

Mixed—Many of the best sorts..... Oz. 20c.

5

SALPIGLOSSIS. Velvet Flower or Pointed Tube Tongue—Showy bedding or border plants, with richly-colored, creet, funnel-shaped flowers. The colors beautifully marbled and penciled purple, scarlet, crimson, yellow, blue and black; plant in warm, rich soil; very fine annual.

Grandiflora—New large-flowering; extra fine. **Mixed**.....

5

VARIETIES SUITABLE FOR BEDDING.

Alba —Pure white, very fine, suitable for cemetery	5
Dwarf Inimitable —Forms a compact little plant, 5 to 8 inches high, covered with beautiful cherry-red flowers with white center, suitable for edging or massing.....	10
Giant Striped —A beautiful strain.....	10
Brilliant —Rosy carmine, and a compact grower.....	10
General Dodds—New —Dark rich velvety red; handsome..	10
Countess of Elsemere —Deep rose, with white throat	5
Blotched and Striped —Flowers with star-shaped blotches, of fine form, very effective	5
Extra Fine Hybrida —A superb strain and very rich mixture.	10
Fine Mixture —Pink, white, crimson, etc.....	5

LARGE FLOWERING—FANCY HYBRIDS.

Single Fringed Large Flowering —Extra fine mixed..	20
Double Fringed Large Flowering —Very choice fringed.	25
Double Large Flowering—All Sorts —A superb mixture.	25
Single Large Flowering —In choice mixture	15

GIANTS OF CALIFORNIA PETUNIAS.

The flowers are	exquisitely ruffled and fringed, and are of enormous size, often five inches across, but their great merits lie in the innumerable varieties of colors, with markings, veining, blotchings and stripings; some of the colors are rich and gorgeous, and others of lovely, delicate shades.	20
Choicest Mixed Varieties		
GIANT—(Snowstorm) —Extra large flowers, 4 to 5 inches in diameter, of splendid substance; purest glistening white, with ruffled or fringed edges, deep yellow	25	
throat		
GIANT—(Aurora) —Lovely shade of rosy pink, with a distinct red band around the deep, exquisitely penciled white throat; flowers of immense size and perfect shape.....	25	
GIANT—(Midnight) —Dark claret crimson, with a surface bloom like that of a purple plum. In the sunlight it looks like crumpled velvet. The flowers are of immense size, with fringed edges and deep intricately veined throats	25	

• • • SAPONARIA—(Bouncing Bet.) • • •

Beautiful, compact-growing plants with masses of miniature cross-shaped flowers, blooming throughout the summer and late in the autumn; annual. **Mixed**—All colors; six inches

STOCKS, German Ten Weeks (Gillyflower.)

Stocks have for many years been a general favorite, but of late years the Germans have grown them in such perfection that they are considered almost indispensable where a fine display is wanted. In brilliancy of color and general effect they are unsurpassed. Equally fine for bedding, borders, massing or for pot culture. The Ten Weeks Stocks will bloom about 10 or 12 weeks after being sown. For early flowering sow in the house in February or March, and plant in open ground in May. A little shade from the hottest sun, and water in the evening, will add much to the size, beauty and durability of flowers. We import our seed direct from one of the best German growers.

Large Flowering Dwarf Ten Weeks

—*Pure white*

10

Largest-Flowering Dwarf—Magnificent spikes of very large double flowers; all colors. **Mixed**.....

5

Dwarf German Ten Weeks—Large

flowering; fine mixed.....

5

Large-Flowering Pyramidal Dwarf

—Pyramidal habit; long spikes of large double flowers; many

10

choice colors mixed.....

Snowflake—Dwarf Forcing Ten Weeks—A beautiful variety of

10

Dwarf Wall-leaved Large-flowering Stocks. One of the earliest of all Ten Weeks Stocks, and admirably adapted for forcing;

the snow-white flowers are uncommonly large and very double

10

Blood Red—Very fine new sort

10

Princess Alice—Cut and Come Again—A fine, perpetual blooming stock. If sown early it blooms from June until frost, and the flowers are perfect during Sept. and Oct. It throws out numer

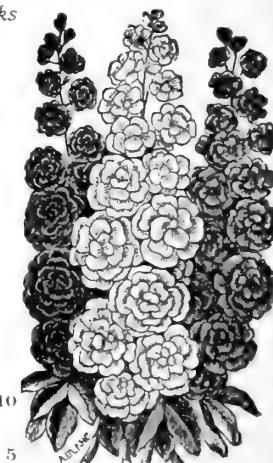
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ous side branches bearing clusters of *very double pure white fragrant flowers*, and is excellent for cutting; two feet high

Emperor, or Brompton—These make very bushy and branching plants, with an abundance of large flowers. Sow in July or Aug.

10

Will last several years when protected. **Mixed colors**; 2 feet....



5 LARGE-FLOWERING STOCKS.

SWEET PEAS.

LIVINGSTON'S SUPERB COLLECTION
INCLUDING BEST UP-TO-DATE KINDS.

NEED no lengthy description, no garden now is complete without them.

HOW TO GROW—Plant early in rows North and South—April 1st is none too soon, if the ground will work. Make a trench 12 inches deep and 15 inches wide. Work into the soil in bottom of trench plenty of well rotted manure, fill in 8 inches of trench with fine soil and sow peas, covering one inch deep; (if about April 1st) in two rows 10 inches apart and seeds 2 inches apart in the rows, if planted later cover deeper. When well up fill in with earth gradually as they grow until the trenches are full. The object is to get the roots well down so that they may resist drought. Give plenty of water, pick the blooms without stint and do not let run to seed. Use brush or trellis 5 to 6 feet high.



Sweet
Peas
All the
Go.

THE "BON TON" 6.

THE BEST
AND BIGGEST
FLOWERED

Red
Gray
Pink
White
Lavender
and an Extra

The "Bon Ton" 6 pks., 20c.; a pkt. of the 6 mixed, 10c.; oz. mixed, 25c.

THE AMERICAN TRIO.

AMERICA—A novelty of 1896, and the most brilliant **scarlet striped** Sweet Pea of all, very showy in bunches.

EXTRA EARLY BLANCHE FERRY—The same as the Blanche Ferry, but blooms ten days earlier. It is of dwarf habit and flowers profusely. The flowers all have that desirable bright contrast of color which made Blanche Ferry so popular, the wings are white, standard deep rose-pink.

KATHERINE TRACY—Of large size, perfect form, and most beautiful. The color is **soft** but **brilliant pink** of precisely the same shade in wings and standard. **Extra long, strong stems.**

PRICE—Any of the above. Pkt., 5c.; oz., 15c.; 1/4 lb., 40c.; lb., \$1.25.

7 PACKETS ONLY 25 Cents. ONE EACH OF THE "AMERICAN TRIO" AND "BIG 4" SETS.

AVOID

LOW GRADE and LOW PRICED MIXTURES when you can secure a mixture of the largest, sweetest and most profuse bloomers, also, new colors, long stems, etc., for so little money.

See Novelty Pages for CUPIDS and Other New Kinds and Sets.

Adonis—Rosy pink.

Apple Blossom—Large shaded pinkish rose and white.

Blanche Ferry—Very popular pink and white.

Boreatton—Very dark maroon self.

Butterfly—White, edged and shaded with blue.

Captain of the Blues—Large, blue and mauve.

Cardinal—Scarlet crimson.

Countess of Radnor—Beautiful pale mauve or lavender.

Dorothy Tenant—Large rosy mauve.

Duchess of Edinburgh—Light scarlet; crimson

Delight—White, softly suffused carmine.

Emily Henderson—A distinct and unquestionably the best white.

Firefly—The best scarlet to date.

Fairy Queen—White, fine carmine veins.

Her Majesty—A grand, bright rosy pink.

Indigo King—Dark maroon and dark blue.

Invincible Scarlet—Rich scarlet, pink, large.

Lady Penzance—Beautiful light orange rose.

Lemon Queen—Almost white, with lemon tint.
Lottie Eckford—Large, lavender and white.

Monarch—Large, bronzy maroon and dark blue.
Mrs. Eckford—A grand primrose of finest form and size.

Mrs. Gladstone—Soft flesh pink.

Mrs. Sankey—A grand white.

Orange Prince—Bright orange pink.

Ovid—A deeper rose pink.

Primrose—Pale primrose yellow.

Princess Beatrice—Light blush pink.

Princess of Wales—Mauve striped on white ground.

Queen of England—White.

Queen of the Isles—Scarlet striped.

Royal Robe—Beautiful large pale carmine blush.

Senator—Large, dark striped.

Splendour—Superb bright rose.

Stanley—Very dark maroon self.

Venus—The finest salmon bluff, very fine.

Waverly—Rosy claret, and blue wings.

PRICE—(postpaid)—Any variety above. Pkt., 5c.; oz., 10c.; 1/4 lb., 25c.; lb., 75c.
Any six packets, 20 cents.

Any thirteen packets, 40 cents.

SPECIAL MIXTURES.

LIVINGSTON'S MIXTURE—A make-up from finest new **large flowering** sorts, **no mixture** surpasses it. Large packet, 10c.; oz., 15c.; 1/4 lb., 30c.; lb., \$1.00.

ECKFORD'S "GILT EDGE" MIXTURE—Of undoubted superiority. Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., \$1.00.

ECKFORD'S FINE MIXED—Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 60c.

FINE MIXED—All Sorts and Colors—None better for the money. Pkt., 5c.; oz., 10c.; 1/4 lb., 20c.; lb., 50c.

America beats the world on Sweet Peas and Livingston's lead the procession for high grade mixtures.

See Novelty List (first 16 pages) for Novelties in Sweet Peas—**CUPID, ODDITY, GRAY FRIAR** and many others of the newer kinds and some never offered before.



THE "BIG 4" SET.

BLUSHING BEAUTY—Large, hooded form, delicate pink; very fine.

BLANCHE BURPEE—A pure white flower of exquisite form, immense size and great substance, a wonderfully profuse bloomer, usually bears three flowers on a stem. The flowers should be cut **every day** to get the best results.

LADY BEACONSFIELD—Salmon standards, tinted with rose; wings pale yellow.

MRS. JOSEPH CHAMBERLAIN—Very large, heavily striped and flaked bright rose on white ground.

PRICE—Any of the above. Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., \$1.00.

NEW DOUBLE SWEET PEAS.

They are not so beautiful as the large single-flowered kinds. DOUBLE SWEET PEAS are not thoroughly established, as only about thirty to thirty-five per cent. of the flowers, as yet, come double. They are worthy of a trial, but we make this explanation that patrons may not be misled. From the most carefully selected stock seed, saved only from the best plants bearing double flowers, we now offer **SEVERAL VARIETIES MIXED**.

Pkt., 5c.; oz., 10c.; 1/4 lb., 30c.; lb., \$1.00.

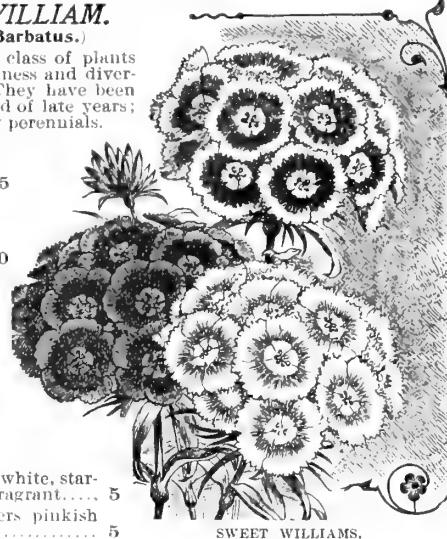
HARDY SWEET PEAS. PERENNIAL OR EVERLASTING.

(*Lathyrus Latifolius*)—Perennial climbers, suitable for trellises, arbors, etc. They die down every year and start again in the spring; hardy perennial: five to six feet.

WHITE—Packet, 5c. MIXED—Packet, 5c.
Splendens—Pride of California—Brilliant rosy red—Packet, 10c.

SWEET WILLIAM.*Dianthus Barbatus.*

A very beautiful class of plants of extreme richness and diversity of color. They have been greatly improved of late years; 1½ feet. Hardy perennials.



SWEET WILLIAMS.

Fine Mixed Single—All colors
Ounce, 40c..... 5

Double Flowering—Mixed;
splendid collection..... 10

STEVIA.

Very pretty and furnish excellent material for bouquets; suitable for winter or summer; blooms from seed the first year.

Serrata—Flowers white, star-shaped; leaves fragrant..... 5

Purpurea—Flowers pinkish red; very fine..... 5

SCABOSIA—(*Mourning Bride*.)

beautifully-colored flowers; effective for beds or borders; excellent for cutting. This old and well-known annual is not as generally cultivated as it deserves.

Firey Red—New, *deep fiery scarlet*.....

5

Double Black—New, very large double, almost coal black.....

5

Snowball—Elegant double white flowers; charming for bouquets.

5

Double Yellow—The plants are semi-dwarf and bushy, a profuse bearer of double flowers of a **very fine golden yellow** color.....

5

Large-Flowered Double—New, semi-dwarf, compact and upright, long, stiff stems and large, round, perfect double flowers of remarkable colors. **Splendid mixture**.....

5

Dwarf Double, Mixed—Compact habit, profusely bearing, extremely double flowers of great beauty: one foot.....

5

Tall German—Mixed, all colors; two feet.....

5

SALVIA—(*Flowering Sage*.)

Very ornamental plants, flowering in spikes, and continues to bloom in open ground until frost, when the plants can be removed to the greenhouse and will continue to bloom a long time. Plants may be started in a hot-bed, and transplanted to light, rich soil, about one foot apart. Tender perennials.

Coccinea Lactea—Pure white; fine.....

10

Patens—Brightest and bluest of all flowers.....

15

Splendens—Gorgeous plants, with spikes of intensely vivid scarlet flowers; the spikes are numerous and 10 to 12 inches in length. Continue to flower profusely all summer, and until killed by late frosts. Of the easiest growth, and should be in every garden.....

10

Tall German—Mixed, all colors; two feet.....

5

SENSITIVE PLANT.

A curious and pretty annual plant; the leaves and foot stalks close and droop at the slightest touch, or in cloudy, damp weather, and during night; easily grown; seed may be started under glass and transplanted to the open ground when the weather is warm. A plant or two reserved for the house will afford much amusement during winter.. 5

SILENE—(*Catch Fly*.)

A showy, early, free-blooming plant; easy culture, growing in any garden soil; colors, red, white and rose. One foot.

Choice Mixed—Annual sorts. 5

SWEET SULTAN—(*Centaurea Moschata*.)

A sweet-scented, profuse flowering, showy plant of easy culture, and very effective in shrubbery. Hardy annual. **Mixed**—Blue, purple and white.....

5

SEDUM. Interesting and pretty little dwarf hardy annual, growing freely on rock or rustic work, where, during the summer it expands its beautiful, star-shaped flowers in great profusion. Desirable for the center of hanging baskets.

Cæruleum—Blue; six inches.....

5

SCHIZANTHUS—(*Butterfly Flower*.)

Showy plants for outdoor decoration. Easily cultivated; of bright colors; useful for bouquets. Half-hardy annual, 2 to 3 feet; hundreds of flowers. **Best Varieties, Mixed**.....

5

SMILAX. Charming tender perennial climber for green-

house or window gardens; it forms "strings" six feet long which are extensively used for decorating, and is grown in immense quantities by American florists. The foliage and stems are of a pleasing light green; very graceful; delicate; remains fresh after being cut for several days.....

5

TORENIA. Beautiful plants for vases, baskets, etc.; in open ground flowers are produced in great abundance, the plants being covered with one mass of bloom until frost, and also in winter in the greenhouse.

Fournieri—Lovely, velvety blue flowers, with three large spots of darkest blue and a bright yellow throat.....

10

White Wings—Pure white with rose throat; very attractive.....

10

THUNBERGIA. Rapid growing annual climber with pretty flowers of various shades, with a dark center or eye. Finely adapted for vases, hanging baskets, and for piazza decoration; does well indoors or out; profuse bloomer with handsome foliage. **Fine Mixed**..... Oz., 40c; 5

VERBENA.

No plant is more generally cultivated than the Verbena, and no plant excels it for masses in beds on the lawn. Flowers perfectly well from seed sown in the spring (if sown in May will bloom in August). If started in the house in pots or shallow boxes in winter they will bloom sooner. Transplant as soon as plants are two inches high, two feet apart each way. Seedlings are stronger and more vigorous than plants from cuttings, and are usually fragrant, especially light colors.

Defiance—**True**—
Bright, rich scarlet..... 10

Blue Varieties—
Showy and distinct..... 10

Striped Varieties—
Beautiful..... 10

Venosa—Produces many rich purple flowers.....

5

Pure White—Large trusses of *purest white flowers*.....

10

Niveli—White; sweet scented.....

5

New Golden-Leaved Verbena—Has very effective, clear, golden yellow foliage; flowers various colors.....

10

Lemon Verbena (*Citriodora*)—Sweet, lemon-scented foliage.....

10

New Mammoth—Large Flowered—A superb and distinct class, with flowers of immense size. Seed saved from very best flowers.

10

Hybrida—Choicest Mixed—Saved from the most beautiful named flowers; gives highest satisfaction.....

15

Fine, Mixed..... 10c. **Good, Mixed**..... 5

NEW DWARF VERBENAS.

Of erect, dwarf and compact habit, forming a neat bush about five inches high and 18 inches across. Colors are white, scarlet and violet. **Dwarf White**.....

10

Dwarf Scarlet..... 10c. **Extra Mixed Dwarf**..... 10



SWEET VIOLET.

VIOLET—(*Viola Odorata*.)

The Violet should not be wanting in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. They are well adapted for border or rock work. Succeeds best in a shady, sheltered place and can be easily increased by dividing the roots. Extensively used by florists for cut flowers. Hardy perennial. Six inches.

Blue Sweet Violet..... 10

The Czar—The largest flowering and richest colored deep blue Sweet Violet in cultivation. Splendid for forcing.....

10

Single White—Very fragrant and free flowering.....

10

Mixed, many sorts..... 10

VINCA—*Periwinkle.*) Free-flowering greenhouse perennials with glossy green foliage and beautiful circular flowers; sown early under glass and transplanted in a warm situation, will bloom all summer; may be potted for the house before frost. 1 $\frac{1}{4}$ feet.

Rosæ—Rose—Dark eye. 10c. **Rosa Alba—White**—Crimson eye. 5c. **Alba—Pure White** 5c. **Mixed Varieties.** 5c.

VALERIANA—*(Hardy Heliotrope.)*

Showy border plants, or for mixing with shrubbery; grows in any garden soil; does well in the shade; produces large crops of flowers. Hardy perennial, that blooms the first season from seed. *Fine for bouquets.* Two feet.

Mixed—Bright rose, red and white flowers.

WHITLAVIA. The Whitlavia is a good plant for baskets, vases or pots. A pretty plant with delicate, handsome foliage, producing a constant succession of bright blue, pure white and violet large bell shaped flowers in drooping clusters. Sow seed in open border early in spring. Hardy annual, one foot high. **Fine, Mixed.**

WALL FLOWER. Well-known, deliciously fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; they should be protected in a cold frame in winter, and planted out in May. Much prized for bouquets. Half-hardy perennials.

Single Large Flowering Mixed—All colors.

Finest Double Large Flowering Mixed—All colors.

~ ~ ~ XERANTHEMUM ~ ~ ~

Everlasting Flowers—Very desirable for winter decoration; of neat, compact habit, free flowering and of the easiest cultivation. The leaves are covered with a silvery down, and the flowers are pure white, deep purple and yellow; an easy grown hardy annual. Two feet. **Double Mixed**—All colors.

YUCCA. Erect and noble plants, with long, narrow, sharp pointed leaves, with a peculiar tropical aspect. Is a hardy perennial and grows in any soil. Three feet.

Flammetosa—Is the hardiest and will endure the winter in most parts of the country. Sends up a strong flower stem in the middle of summer, bearing a large spike of creamy-white, very large, bell-shaped flowers.

10

ZINNIAS. One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form, moderate sized Dahlias.

Zebra—A very pretty strain, striped flowers. As the colors vary on each plant, they present a curious as well as beautiful appearance. 5c.

Curled and Crested—A new and beautiful strain of this popular plant, with large double flowers of perfect form, the petals being twisted, curled and crested into the most fantastic and graceful forms. A magnificent variety of colors and lovely shades. 10c.

Double Large Flowering—Mixture of many colors; fine strain; cone-shaped.

Double Snowball—Double, pure white, dwarf and compact.

Dwarf Fireball—Double, fiery scarlet.

Golden Yellow—Flowers large, perfect in shape, clear golden yellow.

Giant Flowering—Grows a handsome bush 3 feet in height, and the mammoth, perfectly formed double flowers measure 5 to 6 inches across and are of intense and brilliant colors; *mixed.*

Double Mexican—*(Haagenia.)*—Of decided merit; close and vigorous in habit, nearly covered with pretty golden yellow double flowers. Keeps its color when dried as winter flowers.

Double Liliiput—Bush covered with flowers of fine form, smaller than the ordinary Zinnia; flowers borne on long, stiff stems; valuable for bouquets.

Double Dwarf Mixed—Compact bushes, not over 12 inches high.

Double Pompon—Charming, long, very double flowers; excellent for florists use. *Finest mixed.*



ZINNIAS.

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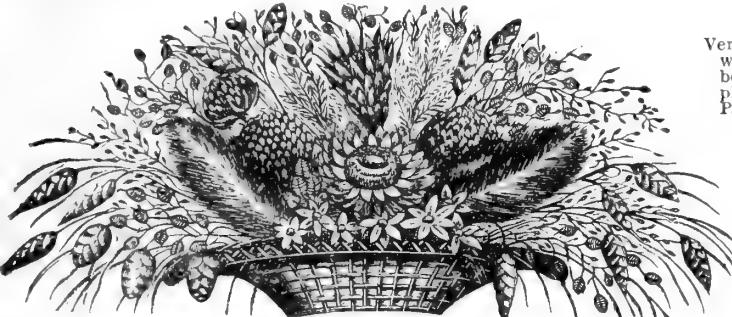
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SPECIAL MIXTURE OF FLOWER SEEDS.

Much pleasure is derived from watching the growth of a mixed bed of flowers. The mixtures are made from choice fresh seeds and cannot fail to give satisfaction. The packets are liberal in size, and in no other way can so many seeds be obtained for so little money.

Fragrant Annuals—A mixture made from seeds of fragrant flowers, giving rich perfume throughout the day and evening; some are suitable for cutting.

10

50c. A Superb Flower Seed Collection.
90 CENTS' WORTH FOR 50 CENTS.

Consisting of one packet, each, of the following:

Sweet Peas, extra mixed 10c. **Annual Pinks**—Fine. 5c.
Verbena Hybrida 15c. **Dwarf Nasturtium** 5c.
Phlox Drummondii 5c. **Superb Asters** 10c.
Fancy Pansies 25c. **Mixed Poppies** 5c.
SCABIOSA—New, very large flowered, extra fine, 10c.

Each variety is a choice mixture of the best colors of *all the New and Rare Kinds*, and are sent PREPAID BY MAIL for 50 cents. All lovers of flowers should try this collection.

ORNAMENTAL GRASSES.

Very beautiful, and extensively used in the arrangement of winter bouquets and in other house decorations. Should be cut while fresh and green, and hung in a dry and airy place in the shade. All best varieties, mixed, including Pampas, Feather, etc. Three packets, 25c.

WILD FLOWER GARDEN.

Each packet contains a great variety of pretty flowers of easy growth. The mixture will be found to be both interesting and useful. Interesting because new flowers open daily, "and you know not what a day may bring forth." It will be found very useful, for here you may get your bouquets without fear or favor, whenever you choose, and thereby save those in beds or borders; also especially adapted for producing a display on large borders, or sowing along woodland walks, for hiding an unsightly fence or stump, etc., and will convert any dreary spot into a wilderness of bloom and fragrance. Ounce, 25c.; 1/4 lb., 75c.; lb., \$2.50; pkt., 10c.

Mixed Everlastings—A great variety of attractive Everlastings. Large packets, three for 25 cents.

10

Flowers for Bouquets—This mixture contains seeds producing flowers suitable for cutting for vases and bouquets, nearly all having long stems, and will furnish a constant supply of cut flowers throughout the entire season.

10

Mixture of Climbers—A packet of seeds containing over twenty beautiful annual climbers, useful for covering out-houses, trellises, etc.

10

Trial Box of Flower Seeds, 60c.

TWENTY CHOICE VARIETIES free by mail for SIXTY CENTS.

This Box contains TWENTY FULL SIZED PACKETS of the most popular and beautiful Annual Flowers, including the *best strains of Asters, Balsams, Pansies, Poppies, Petunias, Phlox, Zinnias, Pinks, Sweet Peas, etc.* Also **Fragrant** and other flowers for **Bouquets**. The assortment affords a great variety at a very low price, and includes a careful selection of choice and popular kinds.

THREE of these Collections for only \$1.50.

**PLANT
Collections**



**50c. EACH,
BY MAIL.**

**Collection
Numbers.**

- 1-12** Beautiful Everblooming Roses, all colors and splendid varieties.
- 2-4** Charming Tea Roses, 4 Fine Hardy Roses, and 2 Climbing Roses. This makes an elegant collection.
- 3-3** Lovely Tea Roses, 3 Fine Hardy Roses, 2 Different Climbing Hardy Roses, 2 Pretty Japan Fairy Roses.
- 4-5** Superb Hardy Roses and 5 Fine Hardy Climbing Roses. This will make a fine outdoor garden.
- 5-10** Lovely Pure White Roses. Fine cemetery plants. Tea and Everblooming varieties.
- 6-10** Choice Double and Single Geraniums. Will make a very nice bed.
- 7-4** Double Geraniums, 4 Single and 2 Sweet-Scented Geraniums. A fine collection for a small garden.
- 8-3** Double Geraniums, 3 Single Geraniums, 3 Fragrant Geraniums and 1 Ivy Geranium.
- 9-2** Silver-Leaved Geraniums, 2 Double and 2 Single Geraniums, 2 Fragrant and 2 Ivy Geraniums.
- 10-10** Chrysanthemums of the new large flowering kinds; all different and all labeled correctly.

.... FIVE UNNAMED 50 CENT COLLECTIONS.

21-13 Lovely Tea Roses—all different.

22-6 Fine Hardy Roses and 6 Splendid Hardy Climbing Roses.

23-6 Double Geraniums and 6 Single Geraniums—no two alike.

24-15 Beautiful Chrysanthemums, which will be a surprise to you in their strange forms and lovely colors.

25-12 Choice Carnation Pinks—all colors.

\$1.00 SIX MAGNIFICENT TRIAL OFFERS OF PLANTS. \$1.00
PLEASE ORDER BY THE NAME OF SET OR COLLECTION.

THE GEM ROSE COLLECTION.

20 Roses. A Large Bed of Ever-blooming Roses \$1.00, postpaid.

For \$1.00 we will send by mail, postpaid, to any post office, the "Gem Collection," comprising **Twenty Beautiful Ever-Blooming Roses**, in twenty different varieties, each one labeled and carefully selected to suit your locality. If you want beautiful Rose Buds all summer, plant this set. If there is no room in the front yard, plant in the garden, which is a capital place to grow roses for flowers. In ordering say "The Gem Rose Collection."

THE PRIZE CHRYSANTHEMUM SET.

20 Prize Winners for \$1.00, postpaid.

This collection includes the most desirable varieties that brought prizes at the different shows in November, and goes over the entire range of color, form and size. If you desire to be up to date in Chrysanthemums try this collection.

THE CHAMPION GERANIUM SET.

20 Beautiful Selected Geraniums for \$1.00, postpaid.

Remember this is not a set of Geraniums picked up from any surplus we may happen to have, but contains the choicest varieties—both double and single, in every shade of this useful flower—and you cannot fail to be pleased with it.

→ → → OUR → →

**Superb Collections
BY MAIL, POSTPAID,
Only 50c.**

Any one of the 25 Collections named below will be delivered safely by mail, postpaid, to any address. The Collections are all fine, strong plants, of the best varieties, and are marvels of cheapness. We can only afford to sell them so cheap by growing these sorts in immense numbers. The choice of varieties must invariably be left to us. Every plant is plainly labeled, and there are no two varieties alike in the same collection. Owing to the extremely low price at which these collections are offered we cannot divide them; you must order a whole collection of one number.

PLEASE ORDER BY NUMBER ONLY.

NOTE — Sometimes when seeds and plants are ordered together, we send the seeds at once and the plants follow later.

**Collection
Numbers.**

- 11-10** Choice Carnation Pinks—large, double and sweet-scented.
- 12-5** Splendid Varieties of Carnations, and 5 Nice Sweet May or Scotch Pinks.
- 13-10** Lovely Flowering Begonias. This makes a choice collection of these beautiful house plants.
- 14-13** Coleus—the best and most distinct varieties of the newer kinds.
- 15-10** Fuchsias—double and single; specially selected for window decoration.
- 16-10** Foliage Plants, viz: 4 Coleus, 4 Ach. ranthus, and 2 Acalypha.
- 17-3** Heliotropes, 3 Feverfew, 3 Hibiscus and 1 Asparagus Tenuissimum.
- 18-2** Hibiscus, 2 Moon Vines, 2 Violets, 2 Heliotropes, and 2 Coleus.
- 19-1** Hardy Rose, 1 Tea Rose, 1 Double Geranium, 1 Single Geranium, 1 Sweet-Scented Geranium, 1 Hibiscus, 1 Heliotrope, 1 Feverfew, 1 Begonia, and 1 Carnation.
- 20-2** Tea Roses, 2 Heliotropes, 2 Sweet-Scented Geraniums, 2 Violets, and 2 Coleus—our Famous Sweet-Scented Collection.

OUR CHARMING FUCHSIA COLLECTION.

20 Elegant Double and Single Fuchsias for \$1.00, postpaid.

This charming set of house plants is well worthy a trial. Nothing will add so much to your window decorations as a fine variety of Single and Double Fuchsias. (Give it a trial.)

THE CREAM CARNATION COLLECTION.

In 20 Varieties for only \$1.00, postpaid.

This set of Fragrant Carnation Pinks will give pleasure and satisfaction during the fall months—being planted out during summer they can be taken up in the fall to flower in the house all winter.

THE ALL-ROUND PLANT COLLECTION.

The make-up of this collection gives you a nice assortment of plants for both window and garden. If you only get this \$1.00 offer you will be charmed and pleased.

- 2** Lovely Tea Roses.
- 2** Fine Flowering Begonias.
- 2** Sweetest Heliotropes.
- 2** Handsome Hibiscus.
- 2** Beautiful New Coleus.
- 2** Brightest Colored Geraniums.
- 2** Distinct Sweet-Scented Geraniums.
- 2** Charming Single and Dble Fuchsias.
- 2** Fragrant Carnations.
- 2** Prize-Winning Chrysanthemums.

All this Collection of Plants for \$1.00, postpaid.

A Select List of Tea and Everblooming Roses.

TO GO BY MAIL, POSTPAID—NO ORDER ACCEPTED FOR LESS THAN 25 CENTS.

THE QUEEN.—A most charming Tea Rose. The offspring of that fine old rose, *Souvenir d'un Amie*, whose many good qualities it seems to possess in a remarkable degree. It is pure snow-white, makes good, finely formed buds, is quite full, showing the center but slightly when fully open. The petals are thick and of good substance, opens well, is very sweet, and has proved valuable, both for forcing and open ground planting. We recommend it for extended trial, as it will be found a valuable acquisition to our list of pure white ever-blooming roses. **Price, 15 cents each.**

PAPA GONTIER.—A grand red Tea, of fine crimson shade and texture. The bud is fine size and graceful form and you would never suspect from it that the Rose is only semi-double. Extremely free both in growth and bloom. Very long and beautifully-leaved stems can be cut, the foliage being very dark and heavy. One of the best, and a perfect bedder. **Price, 10 cents each.**

PERLE DES JARDINES.—The one Tea Rose which you can not possibly do without. It has absolutely no weak point, but is a perfect and popular Rose. The color is faultless, whether the waxy petals show the rich cream tint of cool weather, or take richer golden shades which a warmer sun gives them. The form of the bud is rich, rounded and luxuriant. It is only equalled in beauty by the open Rose, which is full to the center and large. It is no shy, creeping plant, but is fairly riotous in growth, sending out quantities of foliage, thick, glossy and dark, every branch being tipped with the dark reddish-maroon of the young shoots, and bearing its buds high above the leaves. **Price, 15c.**

MALMAISON.—This grand old variety, when used as a bedding Rose in summer, has no equal, as it produces the most perfect flowers in the hottest weather. Its rich, flesh-colored flowers are of immense size, are produced in abundance, and have the requisite form and substance to withstand our hot, dry summers. **Price, 15c.**

MAMAN COCHET—One of the best new Roses for 1896. The growth is vigorous, with rich, heavy foliage. The extra large flowers are produced on long stems, are very double, and the buds and half-expanded flowers are simply exquisite in their graceful form, delicate color, and rich fragrance. The color is deep rose-pink, the inner side of petals silvery-gray. This variety was illustrated and described in "Journal des Roses" three years ago, and one thousand dollars was refused for the stock by the originator, Mons. Cochet. It is now introduced for the first time, and we know it will win its way with every lover of beautiful Roses. **Price, 15c.**

MARECHAL NEIL.—A Rose so famous as to really require no description. Its magnificent golden-yellow buds are worn the world over; they illustrate the globular form in its last perfection, and are almost massive in dimensions. The reports from Southern growers tell of single plants showing one and two thousand blooms of Marechal Neil at a time. It is almost universally held to be the finest climber for indoors or out, where the climate admits of its cultivation. This is one of the roses that starts rather slowly, and for that reason the best success will be had with the plants pruned at 25 and 50 cents, although one of our customers wrote us from Louisiana that a small ten-cent Marechal Neil bought of us in the spring made strong shoots thirty feet in height by fall. **Price, 15 cents each.**

COQUETTE DE LYONS.—There is no Rose like it for freedom of bloom. The plant is a fine grower and carries numbers of flowers on every shoot. A fine yellow Rose, large, not at all formal, but very attractive. Called the *Hermosa*, from its free flowering character. We do not know of any Rose that will give the satisfaction that this variety will, and we heartily recommend it. **Price, 10 cents each.**

CORNELIA COOK.—The buds are most beautiful, of immense size, and are borne up high on massive stems, and with their round, full, heavy form, carry an air of grace and dignity quite unusual. The flowers are the clearest, snowiest white, and are arranged in the most faultless and symmetrical manner. A magnificent Rose. **Price, 10 cents each.**

NEW TEA ROSE, MADEMOISELLE FRANCISKA KRUGER.

The striking color of this handsome Rose places it at once in the front as a bud producer in the open air. It is closely allied to *Catherine Mermet*, and resembles it in everything save color. In its shadings of deep coppery yellow it stands unique and distinct from all others. The flower, when open, is of good size and very symmetrical. **Price, 10 cts.**

RAINBOW.—This new Rose from California, which no doubt will be extensively planted, was awarded a silver cup by the State Floral Society. The color is a lovely shade of deep coral pink, striped and mottled in the most unique manner with intense crimson and elegantly colored with rich golden amber at center and base of petals. It makes beautiful buds, and the flowers are extra large, very sweet and of great depth and substance. **Price, 10 cents each.**

GEN. ROBERT E. LEE.—Indroducer's description: This is the first Rose that we have introduced, and we are sure that it will please all who try it. It is in color an orange-yellow, after the color of *Ma Capucine*, only richer and better. It is a good grower, has elegant, long buds, borne on long stems, and will produce more buds than any Rose we know of. It forces easily, being at its best in mid-winter. There is no variety that will compare with it in all the qualities that go to make up the ideal Rose. The color is so peculiar and rich that it attracts attention wherever seen. **Price, 10 cents each.**

WHITE TEA ROSE, THE BRIDE.—This is decidedly the most beautiful white Tea Rose. It is a sport from *Catherine Mermet*, with which it is identical in growth and shape of flowers. The flowers are very large and double, on long stiff stems, of fine texture and substance, and last a long time in a fresh state after being cut, making it one of the best varieties for corsage wear or bouquets. During extreme hot weather it becomes a pinkish-white, at other times a beautiful pure white. **Price, 10 cents each.**



THE BRIDE.

QUEEN'S SCARLET.—This is without doubt the very best of all red Roses for bedding. It can be planted anywhere, being entirely hardy. The flowers are of large size and of a fiery scarlet, a color seldom seen in Roses; indeed a bed of this Rose produces a mass of red equal to a bed of Geraniums. It is planted every where on account of its color and freedom of bloom. **Price, 10 cents each.**

MARIE GUILLOT.—The finest of all white Teas for summer bloom. The flowers are large, very full, and double; white, faintly tinged with yellow. Grown extensively by florists for cut flowers, and with amateurs so popular that we sell ten thousand plants of it annually. **Price, 10 cents each.**

MRS. DEGRAY.—Everybody wants a hardy, ever-blooming Rose, and we now offer the grandest of this class. From early summer until frost it can be depended upon to produce flowers of large size and exquisite fragrance in lavish abundance. In color it is a rich, glossy pink. It is such a strong grower that it is almost invulnerable against attacks of insects. For garden or cemetery plots it has no equal. **Price, 10 cents each.**

THE METEOR.—A velvety-red ever-blooming Rose, of the deepest glowing crimson, as fine as a Hybrid. Flower of medium size, very double and slightly recurving. A beautiful open Rose, a free bloomer, and a very excellent pot Rose. It has no tinge of violet or purple to mar its beauty. It is a vigorous, bushy grower, with healthy green. This is unquestionably the best bright foliage of the deepest dark velvety-red Rose yet produced. Grand, both in bud and flower. **Price, 15 cents each.**

NEW ROSE, HENRY M. STANLEY.—This grand new ever-blooming Rose was raised from Madame Lambert and Countess Riza du Parc, and named in honor of the great African explorer, and is recommended as a charming variety of unusual beauty and permanent value. The color is a rare shade of amber rose, delicately tinged with apricot-yellow towards the center. Reverse of petals clear buff rose. The flowers are of good substance, extra large, finely formed, and very full and fragrant. **Price, 15 cents each.**

MADAME WELCHE.—The flowers have great depth and substance, and are of fine globular form, with broad, thick petals, and large, finely shaped buds. The color is a beautiful shade of soft amber-yellow, deepening towards the center to fine orange or coppery-yellow, delicately tinged and clouded with pale ruddy crimson. Both flowers and buds are remarkably sweet, and the plant is a good, healthy grower, of a compact, bushy habit, producing its exquisite buds and flowers in great abundance during the whole growing season. It is fine for the conservatory, and none better for open ground. **Price, 10 cents each.**

No Orders from this Rose List Accepted for Amounts Less Than Twenty-Five Cents.

SUMMER FLOWERING BULBS, PLANTS AND VINES.

THE SUMMER FLOWERING BULBS AND PLANTS for spring planting are inexpensive, very easily grown, require scarcely any care, and produce some of the most showy and beautiful of all the summer and autumn flowers. At the prices here given we send by mail, postpaid, except otherwise noted, and unless specially ordered otherwise. When Bulbs, Roots or Plants are sent by express, at purchaser's expense, we can usually send much larger stock and more safely packed. When Seeds and Bulbs or Plants are ordered together, the seeds and bulbs not injured by frost will be sent at once, and the tender bulbs as soon as possible without danger of injury from cold weather.

ABUTILON. GOLDEN FLEECE—A strong and vigorous grower and remarkably free bloomer, summer and winter. Each, 15c.; 4 for 50c.

AMARYLLIS. Lily-shaped flowers of great beauty, varying in color from white and rose to the deepest crimson: a vigorous grower; blooms freely, often twice in a season. We offer none but the best varieties, and at very reasonable prices.

Formosissima (Jacobean Lily)—Flowers of a deep velvety crimson color; handsome and very striking. A great favorite. Each, 15c. **Johnsonii**—One of the best sorts. Strong growing and free-blooming. Flowers large, crimson, striped with white. Bulbs very large and strong. Most popular. Each, 60c.

Hybrids of Vittata—Red and white striped. Each, 50c.

◆◆◆◆◆ APIOS TUBEROSA. ◆◆◆◆◆

A hardy tuberous-rooted climber, closely resembling the common Wisteria in vine and foliage, and having clusters of deep purple flowers which have a strong violet fragrance. Plant the bulbs near a trellis, fence, tree, or any place where you may wish a climber. They grow to a great height, and bloom profusely. The bulbs are perfectly hardy, and need not be taken up over winter. A vine so sure to grow and give satisfaction should be in every garden. Two Bulbs for 10c.; 5 for 20c.; dozen, 50c., postpaid.

Ampelopsis. Veitchii (Japan, or Boston Ivy)—The finest climber we know of for training over walls, as it clings firmly to the smoothest surface, covering it smoothly and densely with fresh, deep green heart-shaped leaves in summer, which take on, in the fall, the bright autumn colors. It likes a rich soil; quite hardy, but requires a slight protection in winter in our climate. Strong Plants, 20c. each; 3 for 50c.; 7 for \$1.00.

Quinquefolia (American Iva, Virginia Creeper)—A perfectly hardy climber of rapid growth. Fine for covering walls or unsightly objects. Each, 15c.; 4 for 50c.; 7 for \$1.00.

BEGONIAS. **Tuberous-Rooted**—The tubers which we offer are of the very best quality, and with proper care will give a beautiful display early in the summer. For growing in pots or boxes in the house, plant in rich, sandy soil; give good drainage, and water freely after the leaves start, but do not let the soil become sour orlogged from over watering. If it is desired to have a bed outdoors, select a shady, moist situation, making the bed rich with thoroughly rotted manure and leaf mould, if obtainable. Plant as soon as danger from frost is over. After the plants start into vigorous growth keep well watered. If planted in a proper situation no plant in cultivation will give a more magnificent display throughout the summer.

SINGLE VARIETIES—Large, Well Ripened Tuberous-Rooted—White, Pink, Yellow and Scarlet—Each, 15c.; 4 for 50c.; 9 for \$1. Single Mixed—Many varieties. Each, 10c.; 6 for 50c.; 13 for \$1.

DOUBLE VARIETIES. **Scarlet, Pink, White and Yellow**—Each, 25c.; 5 for \$1.00. Double, Mixed—Many varieties. Each, 20c.; 6 for \$1.; 13 for \$2.

Caladium- Esculentum.

“ELEPHANT EARS.”

This splendid foliage plant gives perfect satisfaction, and is worthy of general cultivation, filling a place which no other plant does, adding greatly to the beauty of the lawn or garden by its immense tropical-like foliage. The plants attain a height of from 4 to 6 feet; the leaves being veined and variegated with different shades of green, when massed alone or with Cannas they produce a most striking and beautiful effect. They are of easy culture, and will grow in almost any garden soil, but if especially large plants are wanted they should be planted in a well enriched soil and given an abundance of water throughout the season.

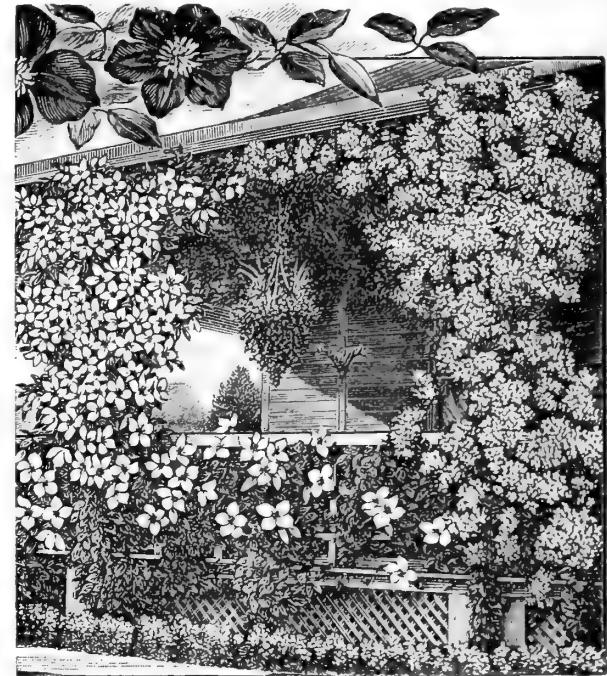
CALADIUM BULB PRICES (Postpaid).

	EACH.	DOZEN.
First Size—Nine inches and over in circumference.....	35	\$3.50
Second Size—Seven to nine inches in circumference.....	25	2.50
Third Size—Under seven inches in circumference.....	15	1.50



BIGNONIA RADICANS—(Trumpet Flower.)

A rapid growing climber, with large scarlet, trumpet-shaped flowers. Each, 20c.



CLEMATIS.

CLEMATIS. The justly proud queen of all climbers, with its beautifully varied flowers, which are produced from June until October. Rapid grower. It delights in rich soil and a sunny position. Perfectly hardy, and when well established is a profuse bloomer.

Jackmanii—Intense violet. Very free bloomer, and the best and most popular species. Strong Plants, 50c. Larger Plants, 75c.

Ramona—A strong, rampant grower, and very hardy. A free and perpetual bloomer; flowers very large; deep sky blue. Each, 50c.

Lady Caroline Neville—Fine flowers from six to seven inches in diameter. Color delicate bluish white, with a broad purplish lavender in the center of each sepal. Each, 50c.

Mad. Baron Viellard—Flowers very large; light rose with lilac shading; very distinct. Each, 50c.

Gipsy Queen—One of the finest dark purple varieties; a strong and free bloomer. Each, 50c.

Fairy Queen—Pale flesh with pink bar; fine large flower. Ea., 50c.

Lucy Lemoine—Fine double white. Each, 50c.

Henryii—One of the best. Robust habit, free bloomer, large, finely formed flowers of a beautiful creamy white. Strong Plants, each, 50c.

Duchess of Edinburg—A free flowering double white variety with medium sized flowers. Each, 50c.

Sieboldi—An extra fine new variety; flowers very large, of a beautiful lavender shade. A very strong growing sort. Each, 75c.

Viticella Kermesina—A strong grower, with pretty foliage and red flowers. Suitable for verandas and trellises. Each, 50c.

THREE CHOICE VARIETIES, FROM ABOVE, OUR SELECTION, \$1.25.

Coccinea—Bell-shaped flowers, bright coral red; blooms from June until frost; a rapid grower; very free bloomer. Each, 20c.; 3 for 50c.

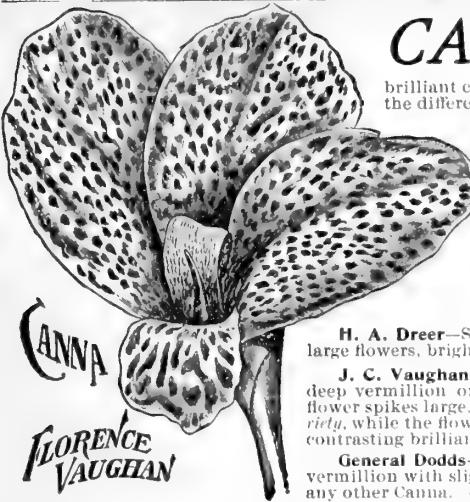
Flammula—Flowers small, white and very fragrant; ornamental foliage. One of the best for covering trellises. Very hardy. Each, 20c.; 3 for 50c.

Clematis Virginica—(American White)—A very rapid growing and hardy plant; seeds furnished with long, plumose, downy tufts; flowers small, white. Each, 25c.

◆◆ CLEMATIS PANICULATA. ◆◆

(New Sweet-Scented Japan Clematis)—One of the finest additions to our list of hardy climbers. Of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. The flowers are of medium size, pure white, borne in immense sheets, and of a most delicious and penetrating fragrance. These flowers appear in September, at a season when very few other vines are in bloom. Each, 20c.; 6 for \$1.00; extra strong 2-year-old plants, 30c.; 4 for \$1.

CANNAS.



brilliant colors, and now this is the leading foliage plant known to florists, the foliage differing in the different varieties from a splendid bronze to light and dark green, and the flower from a bright yellow to a dark red; also in variegation and mixtures. Plants grow from two to ten feet high, according to the kind. Below will be found **THE CREAM OF THE LIST.**

LARGE FLOWERING DWARF FRENCH VARIETIES.

Eldorado—The grandest of all Yellow Cannas, and the nearest approach to a pure golden yellow to date, being very finely speckled with lightest red. Spikes of bloom very compact. Petals broad; fine open flowers that drop from the spike as soon as they pass perfection, leaving it always clean and bright.

Queen Charlotte—Considered by many the finest of all gilt-edged varieties. It has heavy bluish green foliage; enormous flower-spikes, towering grandly above the foliage, bear a beautiful bouquet of large flowers of perfect form, with petals of a rich scarlet crimson, broadly banded with bright canary yellow. 3 feet.

H. A. Dreer—Strong grower, leaves erect, dark purple, very large flowers, bright scarlet, dotted with a deeper shade; 3½ ft.

J. C. Vaughan—Purplish foliage, flower large, color clear deep vermillion orange, with a satiny lustre on the petals; flower spikes large. It is positively *the very best dark leaved variety*, while the flower is larger than Cabos and fully as striking, contrasting brilliantly with the dark foliage. 4½ feet.

General Dodds—Bronze foliage, good grower flower deep vermillion with slight crimson dots; flowers reflex more than any other Canna. 4½ feet.

Alphonse Bouvier—One of the grandest outdoor bedders of all Cannas. Luxuriant grower, foliage bright green, flowers a vivid crimson; a profuse bloomer, beginning early, and is a continuous mass of crimson the entire season. 4 feet.

Madam Crozy—Flowers large, flaming scarlet, bordered gold; very fine green foliage; one of the best and most dwarf sorts. 3 feet.

Francois Crozy—Foliage green; flowers salmon with yellow edge; a free bloomer. 4 feet.

Paul Marquant—A profuse bloomer; very large flowers of a deep salmon color tinted with carmine; foliage green.

Star of '91—Flowers dazzling scarlet, and produced in great quantity. Foliage green. 3 feet.

Miss Sarah Hill—Foliage green; flower spike upright; flowers good size, carmine crimson; fine bedding variety. 4 feet.

Charles Henderson—A splendid compact grower, with erect compact heads of bloom of large size; flowers bright crimson, center marked with gold pencillings. Very fine foliage, and a profuse bloomer. 3½ feet.

Florence Vaughan—The most striking yellow spotted Canna ever introduced. Lemon-yellow, spotted with bright red. Free bloomer, with large spikes of handsome, most distinct and beautiful flowers. Foliage massive and light green.

Egandale—Dwarf, dark bronze foliage; large, bright cherry red flowers of good form and substance; one of **the very best** dark foliage sorts. 4 feet.

J. D. Cabos—Rich maroon foliage. Flowers large and round; deep apricot with deeper shading. Its novel color attracts the attention of every one. 4½ feet.

Paul Bryant—Foliage dark green; intense orange scarlet flowers; very fine.

Perfection—Flowers golden-yellow, minutely spotted with light maroon. 4 ft.

Discolor—Bronze leaf, red flower. 10 feet.

Admiral Coubert—Green foliage; lemon-yellow flowers, spotted crimson. 4 ft.

Antoine Crozy—Green foliage; flowers bright cherry carmine; vigorous grower. 4 feet.

Brenningsii—**Variegated**—Broad green foliage, ornamented with broad bands of yellow; red flowers. 4 feet.

Ehemanni—Distinct; large oval soft green leaves and immense carmine-red flowers on long stems. 6 feet.

Canna Flacida—**Butterfly or Orchid Canna**—A beautiful native variety of very dwarf habit, rarely exceeding 2 feet in height. Flowers very large; color, delicate light canary yellow; resembles an orchid in shape.

PRICES OF ANY OF THE ABOVE—EACH, 15c.; 4 for 50c.; 9 for \$1.00. **EARLY in the season we supply Dormant Roots: LATER Plants only.**

New Flamingo Canna—A superb variety with trusses of immense size—nearly a foot in length and six to seven inches in diameter. Flowers very large—nearly four inches across—and of fine, even rounded form. Color, deep glowing crimson, exceedingly bright and attractive. Plant vigorous, with massive dark green foliage. Sure to become a most popular bedder. Four feet. 30c. each; 4 for \$1.00.

CANNAS, Mixed, all Colors of Flowers and Leaves 10c. each; 6 for 50c., 13 for \$1.00.

Red Flowering Mixed—Each, 15c.; 5 for 50c.; 12 for \$1.00. **Yellow Shades Mixed**—Each, 15c.; 5 for 50c.; 12 for \$1.00.

Special Prices on Cannas in Larger Quantities than quoted above on Application.

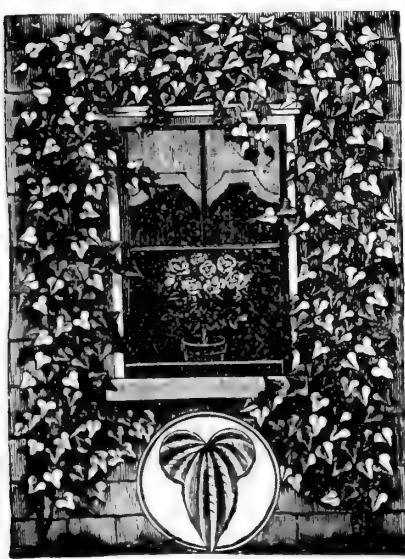
CYCLAMEN. This well known plant is only adapted for house culture in our climate, but for winter and early spring flowering it has but few superiors. Plant in rich, light sandy soil, using well rotted cow manure, and water sparingly until it begins vigorous growth, after which it may be treated like other house plants. The pretty variegated foliage and bright flowers, together with its long blooming season, render it a favorite wherever grown. Each, 15c.; Larger Bulbs, 25c.

CINNAMON VINE. This beautiful and rapid climber possesses the rare quality of emitting from its lovely white flowers the delightful odor of the cinnamon. They are perfectly hardy, the stem dying down every autumn, but growing again in the spring so rapidly as to completely cover any trellis or arbor very early in the season. The vines often run 25 feet or more, and when trained over and about a door or window make an ornament much admired, while its many clusters of delicate white flowers sends out an amount of fragrance that is truly wonderful. It is easy to cultivate, has no insect enemies, and is not affected by drought because it roots so deeply. The tubers are called "Chinese Yamns;" [the botanical name being *Dioclea Batatas*:] they increase in size from year to year, and are often two feet long at two or three years of age, and run straight down in deep soil; flesh whiter than superfine flour and equally as good for table use as the best potatoes. When first introduced the roots sold for \$10.00 each. We have now grown this vine for nearly ten years, and have sent out many thousands to every section of the country, and the only verdict is—"One of the most desirable climbers in cultivation."

Having an enormous stock of the finest roots, we make this year a great reduction in price so that everybody can have all they want. We will mail 5 nice Roots or Tubers for 25c., 15 for 50c., 40 for \$1.00, 100 for \$2.00. (no order filled for less than 5 roots.) We pack carefully in boxes, and **guarantee safe arrival.**



CANNA PLANTS.



CINNAMON VINE.

DAHLIAS.

The Dahlia is one of the showiest of our autumn flowers. Commencing to flower in August, they are a perfect blaze of bloom until stopped by frost in autumn. Especially fine for cut flowers. We know of nothing that is more showy for table decoration than a loosely arranged bouquet of long-stemmed Cactus or Single Dahlias. They delight in a deep, rich soil, and should be planted three and one-half to four feet apart, and be tied to heavy stakes to prevent strong winds from breaking them down. The tubers, or dry roots, we offer are of good size and make fine large blooming plants at once. Sometimes late in the season when the dry roots or tubers are sold out we fill orders with pot plants.



DOUBLE DAHLIAS.

26 SPLENDID DAHLIAS.

NOT A POOR ONE IN THE LOT

A. D. Livoni—A lovely pink Dahlia; finely formed, very handsome, and beautifully quilled; an early and free bloomer; nice long stiff stems.

Lucy Fawcett—Straw color, fluted with scarlet and purple; a desirable variety.

Wm. Pearce—Rich orange-yellow Cactus Dahlia; a fine variety for cutting or show purposes.

Columbus—A new introduction of great value. Light cherry-red, tipped and shaded pure white.

Miss Thatcher—The best double yellow Dahlia in cultivation. The flowers are large, very full and double.

Crimson King—Deep crimson. Very constant in color. An early and free bloomer. "Hard to beat."

Gloire de Lyon—The largest and most perfect globe-shaped pure white in cultivation. Stout upright growth. Petals are very large and so numerous as to become nearly a perfect ball.

DUTCHMAN'S PIPE—(*Aristolochia Siph.*)

A magnificent hardy vine of rapid growth, with very large heart-shaped leaves and brownish flowers, resembling in shape a miniature pipe; splendid for archways or verandas. 35c.; 3 for \$1.00.

IRIS KAEMPFERI—(Japan Iris.)

The flowers are of immense size—from six to eight inches in diameter—and of the most beautiful and delicate shades. Perfectly hardy, and flower in great profusion during June and July. A well-established plant gives a dozen or more flower stalks two to three feet high, each stalk producing two to four blooms. Thrives best if planted in a moist soil; if this cannot be had, should be plentifully supplied with water while growing and flowering. The following are all double-flowered.

Blue Danube—Deep indigo blue, violet shading yellow center; extra fine.

Excelsior—Reddish violet, with white center.

Mount Hood—Deep purplish violet, yellow center.

J. C. Vaughan—Fine large, pure white flower, golden-rayed center.

Templeton—Light violet, mottled reddish pink and white.

Any of above, each, 20c.; 6 for \$1.00.

Finest Mixed, Double Varieties, each, 15c.; 8 for \$1.00.

— DOUBLE HOLLYHOCKS. —

As a background in large borders or beds of the lower growing herbaceous plants there is nothing better. For planting in rows or groups on the lawn, or interspersing among shrubbery they are invaluable. The flowers are elegant in shape, and form perfect rosettes of the most lovely shades of crimson, yellow, pink, orange, white, etc. They require a deep rich soil, and will repay in quantity and beauty of bloom any extra care. We offer a fine assortment of good strong plants of white, yellow, pink and scarlet. Each, 15c.; 8 for \$1.00.

Nymphaea—A splendid Cactus Dahlia. Broad petals, delicate pink, shading to blush at center. A very pretty and much admired variety.

Mad. Furtado—Pure white, of immense size, fine form and full to the very center. Early and profuse bloomer.

Silver Queen—Silvery white, shading to pale pink. Excellent form and free bloomer.

White Dove—Pure white. Each petal divided into three distinct points. Flowers well above the foliage, on very long stems. Very attractive.

Floral Park Jewel—Flowers of many colors, from deep maroon to blush-white, also beautiful spotted and variegated forms, all produced on the same plant.

Lydia Dister—A beautiful soft lavender shade; one of the most attractive colors in the collection.

Miss Dodd—Purest yellow, of exquisite form and color; remarkably handsome flower.

Nero—Dark purple, each petal deeply edged with pure white; small open center; very rich.

Princess Mathilda—pure white; a large fine formed variety. So profuse that the whole plant appears a solid mass of white.

Zulu—Almost black; the darkest of all the Cactus varieties. It should be in every collection.

Buffalo Bill—Color, golden bronze, richly streaked with vermillion; of immense size.

Cora Gleason—A magnificent flower of perfect Cactus form and of immense size; color a deep purple lake. Never shows any open center.

Lucile—A remarkably free bloomer; color, pure sulphur yellow; double to the center.

Germania Norva—Bright pink; petals very heavily serrated. Of superior merit and generally admired.

Maid of Athens—Of pure Cactus type and bears flowers in profusion; color, the softest shade in pink.

Orine Emerson—A handsome flower on long stem. Color, rich dazzling red, shaded light cherry-red. Admired by all who saw it the past season.

Bonnard's Yellow—A fine *extra early* bloomer.

PRICES—Any of the above, each, 20 cts.; any 3 for 50 cts.; any 7 for \$1.00; dozen, \$1.50, all postpaid

REMEMBER—Our prices are for good dry roots, not pot plants.

TWO GRAND NEW DAHLIAS.

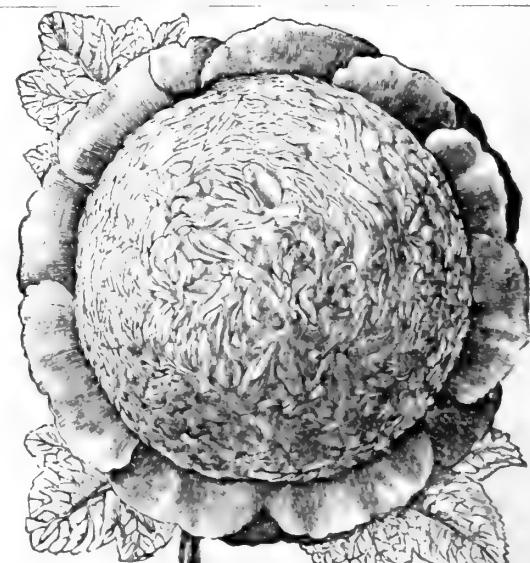
MRS. PEART.

A real white Cactus Dahlia. Petals very long and curved, each one coming to a sharp point. Flowers very large, and at a little distance it resembles some of the large white Chrysanthemums. It is a remarkably free bloomer, and within the last two years has not produced an imperfect flower. This can not be said of any other variety within our knowledge. There is no question but this valuable variety will soon become very popular. Nice Dry Roots, 30 cts.; 4 for \$1.00.

GLORIOSA. Bright red. Petals shaped like Mrs. Peart, only more twisted. This with Mrs. Peart makes a most gorgeous bouquet. Fine Pot Plants only this season. Each, 30c.; 4 for \$1.00.

FOR 50c. WE WILL SEND ONE OF EACH MRS. PEART AND GLORIOSA.

"THE DAHLIA." (By PEACOCK.) A practical treatise on the cultivation of the Dahlia. Beautifully illustrated, well printed on toned paper. Postpaid, 50c. May be ordered FREE with a Dahlia order amounting to \$3 or over.



DOUBLE HOLLYHOCK FLOWER.



GLADIOLUS FLOWERS.

GLADIOLUS.

been made in this flower during the past few years. They are of easiest culture and produce their brilliant spikes the first year. As soon in the spring as the ground is sufficiently warm and dry, make plantings at intervals of two weeks during the spring months, whereby a succession of bloom will be had. In the fall the bulbs can be taken up and stored over winter in a dry place. **Our prices include prepayment, unless otherwise noted.**

Mixed Gladioli—The bulbs we offer are of the finest quality, and no better mixtures can be had, where fine colors and distinct markings are desired.

HIGH GRADE SEEDLINGS—Our Extra Fine American Hybrids—**Mixed Colors**, and many specimens of rare beauty; hardly any two alike. *Prepaid, dozen, 50c. By express (not paid), 50 for \$1.50; 100 for \$3.00; 200 for \$5.00.*

ALL COLORS MIXED—A Choice Mixture of Many Colors—*Prepaid, dozen, 50c. By express (not prepaid), 50 for \$1.25; 100 for \$2.25; 200 for \$4.00.*

Lemoine's Large Flowering Hybrids—Butterfly Gladiolus—This brilliant class is distinguished by the rich and vivid coloring of its flowers. The blotch is the typical and remarkable feature of this variety. **Lemoine's Mixed**, made up of finest sorts. *Prepaid, each, 5c.; dozen, 50c.; 30 for \$1.00.*

GLADIOLUS—SEPARATE COLORS.

	EACH.	DOZ.	25
White and Light —Choice mixed Seedlings and Named Sorts, mixed	5c.	50c.	90c.
Various Shades of Pink —Extra Choice, mixed	5c.	45c.	85c.
Various Shades of Red —Extra Choice, mixed	5c.	30c.	50c.
Various Shades of Yellow, mixed	5c.	50c.	90c.
Striped and Variegated —Extra Choice, mixed	5c.	45c.	85c.

CHOICE NAMED GLADIOLUS.

Marie Lemoine—Fine open flowers, creamy white, spotted purplish violet, "peacock blotched." Each, 6c.; 3 for 15c.; dozen, 50c.

Lafayette—Flowers large; salmon blotched crimson, *A very fine Lemoine*. Each, 8c.; 3 for 20c.; dozen, 70c.

Snow White—The best white Gladiolus in existence; large and well opened flowers; enormous spike. 20c.; 3 for 50c.

Ceres—White, blotched rose; *a beauty*. 6c.; 3 for 15c.; dozen, 50c.

Mabel—Color, carmine or cherry, or between the two, growing lighter toward the center of the flowers, where it is delicate pink, with small crimson stain in bottom of the cup. 6c.; 3 for 15c.; dozen, 50c.

Bertha—Brilliant light scarlet; long spikes well set with large expanded flowers. 6c.; 3 for 15c.; dozen, 50c.

Eugene Scribe—Large and fine flower; rose blazed with crimson. 8c.; 3 for 20c.; dozen, 70c.

GLOXINIA.

A charming class of summer-blooming bulbs, the rich and varied coloring of the flowers being beautiful in the extreme, many of them beautifully speckled; flowers three inches long by two inches in diameter; upright and pendulous; colors, crimson, violet, rose, scarlet, white, etc. They attain the greatest perfection if grown in light, rich soil in a shady, well ventilated frame. After they are done growing they may be kept in a warm, dry cellar, or under the stage of a greenhouse. Each, 15c.; 6 for 80c.; dozen, \$1.50.

GLADIOLUS PLANTS.

Mabel—Color, carmine or cherry, or between the two, growing lighter toward the center of the flowers, where it is delicate pink, with small crimson stain in bottom of the cup. 6c.; 3 for 15c.; dozen, 50c.

Bertha—Brilliant light scarlet; long spikes well set with large expanded flowers. 6c.; 3 for 15c.; dozen, 50c.

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HONEYSUCKLES.

Aurea Reticulata—Has beautifully variegated foliage; leaves are netted and veined with clear yellow; flowers yellow and fragrant. 15c.

Chinese Twining—Blooms at intervals through the summer and retains its foliage late into winter; flowers nearly white. 15c.

Halleana—White, changing to yellow; very fragrant; blooms from June to November. 15c.

Monthly Fragrant—Fine, rapid growing variety; flowers are large and very fragrant; color red and yellow, a constant bloomer. 15c.

Scarlet Trumpet—A strong, rapid grower; blooms very freely the entire season; bright red trumpet-shaped flowers. 15c.

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Scarlet Trumpet—A strong, rapid grower; blooms very freely the entire season; bright red trumpet-shaped flowers. 15c.



These fine Summer and Fall Flowering Bulbs produce blooms which embrace every shade of color, and some of them are marvels of beauty. Great improvements have been made in this flower during the past few years. They are of easiest culture and produce their brilliant spikes the first year. As soon in the spring as the ground is sufficiently warm and dry, make plantings at intervals of two weeks during the spring months, whereby a succession of bloom will be had. In the fall the bulbs can be taken up and stored over winter in a dry place. **Our prices include prepayment, unless otherwise noted.**

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Various Shades of Pink —Extra Choice, mixed	5c.	45c.	85c.
Various Shades of Red —Extra Choice, mixed	5c.	30c.	50c.
Various Shades of Yellow, mixed	5c.	50c.	90c.
Striped and Variegated —Extra Choice, mixed	5c.	45c.	85c.

CHOICE NAMED GLADIOLUS.

Africana—Brown and scarlet, white blotch; fine, 10c.; 3 for 25c.; 7 for 50c.; 15 for \$1.00.

May—New. Introduced last season. One of the most prolific sorts in cultivation, producing two, and frequently more, spikes from each bulb. Of sturdy growth; flowers are large and of good substance, color, white ground, flamed and feathered clear rose. Each, 10c.; 3 for 25c.; 7 for 50c.; 15 for \$1.00.

Isaac Buchanan—Fine yellow; one of the best. 6c.; 3 for 15c.; dozen, 50c.

Brenchleyensis—Bright vermillion; fine old sort. 6c.; 3 for 15c.; dozen, 50c.

John Bull—Ivory white, slightly tinged with yellow and lilac; beautiful. 6c.; 3 for 15c.; dozen, 50c.

Mad. Monneret—Delicate rose pink. 6c.; 3 for 15c.; dozen, 50c.

Childsii Hybrids—Largely shades of red and pink. 8c.; 3 for 20c.; dozen, 70c.

OUR 50c. STAR BULB COLLECTION

We will send, *postpaid* for only **FIFTY CENTS**, **TWO PEARL TUBEROSES**, **FOUR CHOICE GLADIOLUS**, **ONE APIOS TUBEROSEA**, **ONE BEGONIA**, **ONE TIGRIDIA**, **THREE OXALIS**, **ONE NEW FRENCH CANNA**.

OUR \$1.00 STAR BULB COLLECTION

30 BULBS, all *postpaid* for only **ONE DOLLAR**.

2 APIOS TUBEROSEA	1 DOUBLE DAHLIA
2 BEGONIAS	6 GLADIOLUS, Mixed
1 CALADIUM	1 MADERIA VINE
2 CINNAMON VINES	2 MILLA BIFLORA
3 CANNAS, French	6 OXALIS, MIXED
4 PEARL TUBEROSES	

HYDRANGEA PANICULATA GRANDIFLORA.

Absolutely hardy in all sections of the country, very easy to grow, not one plant in a thousand will fail to grow and bloom the first year they are set out. The flowers will be larger and finer if given good rich soil, but it will grow and flower well in almost any soil or situation. The flowers are in immense large panicles, white at first, gradually changing to rose color, and remains in good condition for weeks. If the plant is cut back each spring, fully one-half the past season's growth, the flowers will be much finer. For cemetery planting or lawns nothing can be more desirable. Strong Plants, 15c.; 4 for 50c. Stronger Plants, 25c.; 3 for 60c.; 6 for \$1.00. Extra Strong Plants, (by express), 40c.; 3 for \$1.00; 7 for \$2.00.

NEW HIBISCUS—"Crimson Eye."

This elegant Hibiscus, after many years of careful selection, has become entirely distinct. A robust grower with dark stems and foliage. Flowers immense in size, often **twenty inches in circumference**; purest white, with a large spot of deep, velvety crimson in the center of each flower. A striking combination of color that must be seen to be fully appreciated. A well developed plant will produce several hundred of these flowers in a season. Succeeds anywhere, and is perfectly hardy, blooming the first year in the open ground. Each, 15c.; 4 for 50c.; 9 for \$1.00.

~~~~~MANETTIA VINE.~~~~~

A beautiful twining plant, producing very showy tubular flowers in great abundance the entire season. The flowers are intense fiery scarlet, with bright yellow tip; they are also covered with a moss, or hairy substance, that adds much to their beauty. As a pot plant to train on a trellis, it is unrivaled; grown in this manner, it will bloom for several years; succeeds admirably in open ground. Grows eight to ten feet. A plant of rare beauty. Each, 15c.; 3 for 40c.; 8 for \$1.00.

LILIES.

THE LILY is a favorite flower everywhere. Their culture is simple, and with a little care failure is impossible. The bulbs should be planted in the spring as soon as the frost is out of the ground—the earlier the better. Select a well-drained spot, dig the soil deep, and make it fine, enriching it abundantly with very rotten cow manure and adding a liberal mixture of sand. Set the bulbs from three to five inches deep, according to size.

Speciosum Album—Pure white; fragrant. Each, 25c., 3 for 60c.; dozen, \$2.25.

Speciosum Roseum—White, shaded and spotted with rose. Each, 20c.; 3 for 50c.; dozen, \$1.75.

Speciosum Rubrum—White, heavily spotted with rich crimson. Each, 20c.; 3 for 50c.; dozen, \$1.75.

Lilium Auratum—(The Golden-Rayed Lily of Japan)—This variety, beyond question, is the grandest of all the Lily family. The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance; very hardy; the best outdoor Lily, and no better grows.

EXTRA LARGE BULBS 25c. \$2.50
LARGE FINE BULBS 20c. 2.00
MEDIUM SIZE BULBS 15c. 1.50

Prices in LARGER QUANTITIES on application; also of other varieties.

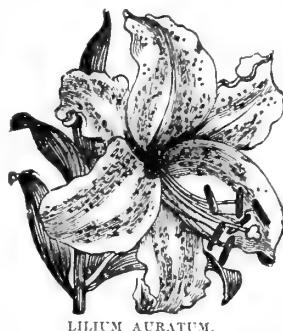
For Easter and other Lilies that cannot be planted in the spring, see our Fall Catalogue issued about Aug. 1. Sent free on application.

LILY OF THE VALLEY.

No garden is complete without a few clumps of these fragrant flowers, which are such universal favorites as to need no description.

Strong Flowering Pips—Each, 5c.; 3 for 10c.; dozen, 30c.; 100 for \$2.00, postpaid.

Clumps, for immediate effect, are preferable to the Pips or single crowns. Each, 25c.



LILUM AURATUM.

WATER LILIES

Are becoming more popular every year and no class of plants are more easily cared for when once established. The cultivation of Water Lilies is very simple. The best soil for growing them is a rich, fibrous loam, with a liberal mixture of well-rotted manure; cow manure is very desirable. Rich mud from the bed of a pond or sluggish stream is also good. They may be successfully grown in the open air in tubs, either on the surface or sunk in the ground. Oil barrels cut in two make inexpensive and convenient tubs. About the middle of May put in the loam to the depth of six or eight inches, in which plant the roots, barely covering them. Now put on about two inches of sand to prevent the manure from rising to the top. Fill in six inches of water, set in a sunny place, adding water gradually until the tub is full by the time the leaves have covered the surface, and replenish the water as it loses by evaporation. In winter pour off the water and remove to a cool cellar, or keep from hard freezing by covering with leaves.

Nymphaea Odorata—White Fragrant Pond Lily. Universally admired on account of its large, fragrant, pure white flowers; when grown in rich mud it will produce flowers six inches and leaves thirteen inches across. Roots, each, 20c.; dozen, \$2.00.

Nymphaea Odorata Rosea—(Cape Cod Water Lily).—The best pink hardy Nymphaea in cultivation; possesses all the desirable qualities of the white flowered species—hardiness, freedom of bloom and delicious fragrance. Each, 60c.; dozen, \$6.00.

Nelumbium Speciosum—(Egyptian or Sacred Lotus)—A grand lotus; perfectly hardy, and one of the loveliest; the flowers when expanding are of a beautiful rosy pink; when open creamy white and pink, and very fragrant. A very interesting plant, and succeeds anywhere. Strong Roots, 75c. to \$1.25 each; dozen, \$7.00.

Nymphaea Alba Candidissima—A large flowered variety of the hardy English Water Lily; white flowers; the earliest; a continuous bloomer until frost; one of the best in cultivation. 90c.; dozen, \$9.00.

Water Hyacinth—(Pondoria)—Very interesting and beautiful; floats on the surface of the water and produces fine spikes of light rosy lilac orchid-like flowers. Each, 15c.; dozen, \$1.50.

Water Poppy—(Limnocharis Humboldtii)—Flowers beautiful clear yellow; poppy-like, must be grown in shallow water; very attractive. Each, 15c.; dozen, \$1.50.

FUNKIA ALBA—(Day Lily)

A handsome, showy plant, with beautiful large broad leaves. Flowers large, pure waxy-white, borne in large trusses. Very fragrant. Each, 15c.; 4 for 50c.

Funkia Variegata—Has variegated green and white leaves and purple flowers. Each, 20c.; 3 for 50c.

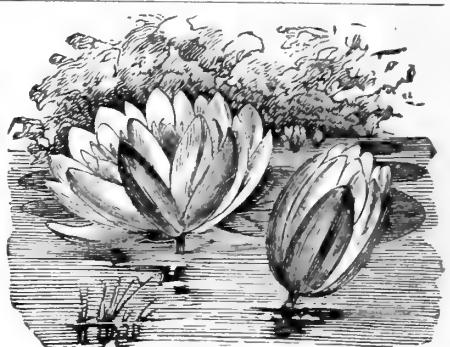
ONE ALBA AND ONE VARIEGATA FOR 30 CENTS.

~~~~~WHITE SPIDER LILY.~~~~~

(Pancratium Carribeanum). A bulbous plant of the Amaryllis family, of easy culture, producing large clusters of beautiful, pure white flowers very freely, giving a succession of bloom all summer. Delightfully fragrant. Bulbs, 15c. each; 3 for 40c.



NEW HIBISCUS, "CRIMSON EYE."



NYMPHAEA ODORATA.

Flava—(Yellow Day Lily)—A most useful and desirable herbaceous plant, producing its large golden yellow flowers during July and August in the greatest profusion; plants grow about 3 feet high. 15c.

Fulva—(Lemon Lily)—Lemon-colored flowers; excellent for planting among shrubbery. 15c.

MOON FLOWERS. PINK. WHITE. BLUE.

A rapid-growing vine, which will easily cover a surface 25 x 40 feet in a season. At night and during dark days plants are covered with an abundance of large, fragrant flowers, 3 or 4 inches in diameter. One of the most showy annual climbers. Fine plants ready about May 20.

Noctiflora—The well-known white, fragrant Moon Flower. Each. 6c.; dozen, \$1.00.

Leari—(Blue Daven Flower)—Intense violet blue. 10c.; doz., \$1.00.

Mexicana—Large pink flowers. Having tuberous roots it can be wintered like Dahlias. 15c.; dozen, \$1.50.

ONE EACH OF ABOVE (3) FOR 25 CENTS.

• • • • PASSION FLOWERS. • • •

Incarnata—("SOUTHERN BEAUTY")—This singular and beautiful climber has a remarkably pretty vine. The large flowers are of a flesh-white with purple rays, followed by beautiful golden edible fruits of a delightful flavor. The roots are hardy, although the vine dies down in the winter, but comes up again in the spring. The plants can be potted for winter decoration. Each, 15c.; 2 for 25c.; 10 for \$1.00.

Constance Elliott—An elegant rapid climbing vine with large white, fragrant flowers. A good window plant, also for cemetery. Each, 10c.

Cerulea—A rapid growing vine; very singular flowers of violet and blue, three inches in diameter. 10c.

MILA BIFLORA. One of the most desirable flowers on account of its large, pure waxy-white flowers, which are borne in clusters of two to three on a stalk twelve inches high. The flowers will keep for a week after cutting. Each, 10c.; 3 for 20c.; dozen, 60c.

MUSA ENSETE. (Abyssinian Banana) A grand lawn plant of easy culture in the open ground in summer, or for conservatory in winter. Plants, 30c.; 3 for \$1.00.

MUSK, DOUBLE FLOWERED. The musk-like odor from the leaves and flowers is very powerful, a single plant scenting a large room. Easily grown and increases rapidly. 20c.; 3 for 50c.

OTAHETE, THE DWARF ORANGE TREE. A most attractive and interesting plant for windows, down or conservatory. They will bloom and fruit when the plants are very small. Flowers fragrant. Each, 25c. Large Plants, bearing fruit, *by express only*, \$1.00.

OXALIS, SUMMER FLOWERING. Valuable for edging walks, flower beds, etc. Bulbs planted three inches apart form rounded rows of delicate foliage, about one foot high, which produce flowers in endless succession. **Lasiandra**—Fine rose pink. **Deippa**—Pure white. Either variety, per dozen, 10c.; 3 dozen, 25c.; 100 for 50c., *postpaid*.

WISTARIA. Very popular, hardy, rapidly growing to a height of fifty feet or more. It flowers in early spring, and when in bloom is truly magnificent.

Sinensis, Blue—Coior, soft lavender blue. Flowers in masses like a bunch of grapes. Fragrant. Each, 35c.; 3 for \$1.00.

Sinensis, White—Pure white, making a marked, striking and elegant contrast with the blue variety. Each, 35c. Larger Plants, *by express*, 50c.

YUCCA. WHITE CLUSTER. (Adam's Needle)—Flowers pure white, drooping, in dense clusters upon long stems. A fine plant for the cemetery, lawns, center plants, etc. Hardy and evergreen. Each, 15c.; 3 for 30c., *postpaid*.

TUBEROSES.

One of the most delightfully fragrant and beautiful summer flowering bulbs. The flowers are waxy-white, and the sweetest scented that grows. The growing plant is fond of light and heat, and should not be planted outside before April 1st. If planted in 5 or 6 inch pots and sunk in the ground late in autumn they may be taken indoors for flowering.

Our Tuberose Bulbs are grown and cured with the greatest possible care. Our annual output being many thousands, and on account of increase in trade we know our stock gives satisfactory results.

DOUBLE DWARF PEARL TUBEROSE—The flowers are large size and very double. The favorite with everybody. Select Bulbs—*Postpaid*—Each, 5c.; 6 for 25c.; 12 for 40c.

Write for Special Prices on Larger Quantities of Tuberoses.

ALBINO TUBEROSE—Single Flowered—Flowers star shaped, pure white, recurving; a large flower spike, often branched. Each, 10c.; 3 for 25c.; 7 for 50c.

VARIEGATED LEAVED—This is an early single kind, with striped foliage; flowers not equal to the double ones. Each, 10c.; 3 for 25c.; dozen, 75c.

Miss Laura Adams, Enslow, Pa., March 27, 1896: "The Tuberose Bulbs bought of you give satisfaction. One had twenty-seven buds on it at one time."

PÆONIES. (HERBACEOUS.) A very showy and most useful class of plants; exceedingly hardy and will flourish in any section of the country, no matter how cold. They grow and flower well in almost any soil with very little care.

Anemonæflora—Rose, buff center.

Albiflora Edulis—Pure white.

Chinensis Rosea—Clear light rose.

Officinalis Rubra Plena—Rich, deep crimson; very early and one of the brightest of all. Price, 25c., each; 4 for 80c.

JAPAN SNOWBALL. A new variety of Snowball. Growth upright and compact. Foliage olive green through the summer, but towards fall it turns much darker and remains on the plant for some time after the first frosts. Flowers are much more numerous than on the old variety. There are often twenty balls on a branch eighteen inches long. These balls, as they expand, all face upward, so that a full view of their great beauty is always to be had. It is hardy, easily transplanted, and its growth of good shape, and beautiful both in leaf and flower. **Plants Postpaid** 25c.; 5 for \$1.00. **Larger Plants**—Each, 40c.; 3 for \$1.00.

TIGRIDIAS. (PEACOCK OR SHELL FLOWER)—A summer flowering bulb that should be planted in the open ground in May. It commences blooming early in July and produces an abundance of gorgeous flowers till October. Late in autumn the bulbs should be lifted, dried and stored in the cellar like Gladioli. It is one of the easiest plants to cultivate, and always sure to bloom abundantly in any situation.

Grandiflora Alba—Its large flowers are pearly white, marked with large spots of reddish chestnut color. Each, 10c.; 3 for 20c.; dozen, 70c.

Conchiflora—Fine yellow, spotted with dark crimson. 10c.; 3 for 20c.; dozen, 70c.

Grandiflora Pavonia—Very large, bright crimson flowers, center variegated with yellow. Each, 10c.; 3 for 20c.; dozen, 70c.

HARDY MOON FLOWER.

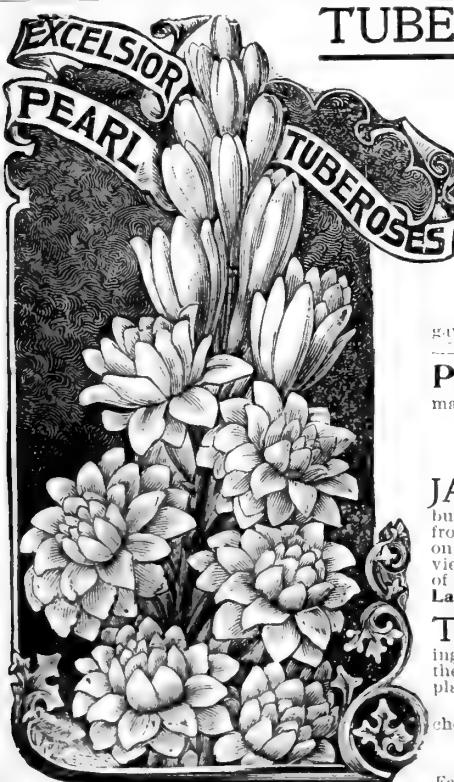
Ipomea Pandurata, or Day-Blooming Moon Flower—Perfectly hardy, and increases in size each season. Thrives in any soil and produces luxuriant, compact foliage and quantities of beautiful flowers with a purple throat. 15c.; 4 for 50c.

MADEIRA VINE.

Succeeds in almost any soil; of easy cultivation; most excellent for baskets, vases or trellises. Leaves, dark green; bears a small white, fragrant flower. Each, 10c.; 3 for 25c.; dozen, 50c.

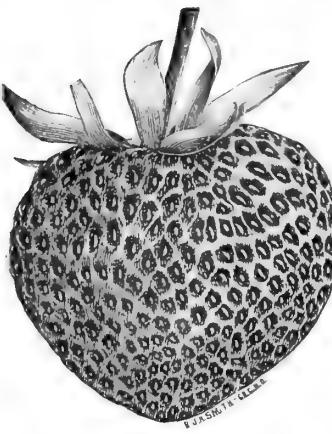


PASSION FLOWER, INCARNATA.



SMALL FRUITS.

STRAWBERRIES.



SIX BEST STRAWBERRIES FOR HOME USE.

BEDER WOOD—*Early*. For home use or market. Fruit medium size, bright color, firm, excellent quality. Dozen, 25c.; 100, 50c.; 1,000, \$3.00.

WARFIELD—(P). Early to medium. A rival to Crescent. Fruit firm, quality good; pleasant, sub-acid. Plant vigorous, healthy, of easy culture. Doz., 25c.; 100, 50c.; 1,000, \$3.00.

SHUCKLESS—As its name indicates, in picking the "shucks" (calyx) remain on the stem, and the berries when picked are ready for use. A strong grower, hardy plant, late and perfect bloomer, and produces bright crimson-colored berries of good flavor; very regular in shape and uniform in size. Produces berries in great abundance. Good for market as well as home use. *A remarkable variety.* Doz., 30c.; 100, 75c.; 1,000, \$5.00.

STAPLES—*Extra early*. This is almost identical with Warfield, possessing all the good qualities of that variety, and in addition is a *perfect bloomer*. Not only produces, ripens and forms berries early, but produces an abundance of early ones. A variety but little known, but for all that, it is an excellent berry. Doz., 25c.; 100, 60c.; 1,000, \$3.50.

CANDY—*Best late* to date and a favorite with fruit growers everywhere. Plant, a strong, healthy grower. Fruit very large, firm, regular in size and shape, bright in color, handsome and showy. Quality good; brings highest market price. Doz., 25c.; 100, 60c.; 1,000, \$3.25.

BUBACH—(P)—*Midseason*. Noted for its vigorous plant and yields its large sized handsome berries in great abundance. A favorite for near-by market. Doz., 25c.; 100, 50c.; 1,000, \$3.00.

SOME OF THE BEST MARKET STRAWBERRIES.

CRESCENT—(P)—*Early*. Very prolific; bears profusely even under neglect. Vigorous and hardy; bears better if vines are not allowed to mat. Fruit colors evenly, a bright, attractive scarlet. Doz., 25c.; 100, 60c.; 1,000, \$3.00.

LOVETT—*Second early*. Berries are of good size, uniform, bright crimson, firm and of good quality. Splendid variety for market on account of its productiveness and firmness. Also valuable as a fertilizer for imperfect kinds. Doz., 25c.; 100, 60c.; 1,000, \$3.00.

GREENVILLE—(P)—A strawberry of the very highest order. Ripens early, holds out well to the end of the season. Berries large, conical. Color, brightest crimson. Doz., 25c.; 100, 50c.; 1,000, \$3.00.

HAVERLAND—(P)—A native of Ohio, and holds its own wherever it goes. Most productive berry on the market. Large, very few small ones. Medium firm, but all right for near markets. A great favorite, and we urge all growers to try it. The Lovett should be used as a fertilizer, as it blooms at the same time. Doz., 25c.; 100, 60c.; 1,000, \$3.00.

SHARPLESS—An old favorite; still leads in many sections. Large, productive, flesh firm, sweet, clear light red, smooth and shiny. Doz., 25c.; 100, 60c.; 1,000, \$3.00.

DATTON—A perfect blooming early variety. Large, firm, deep color, of uniform size. Productive; an excellent grower. One of the best to use as a fertilizer for imperfect kinds. A great drouth resister. Doz., 25c.; 100, 60c.; 1,000, \$3.00.

BRANDYWINE—A most valuable late variety. Berries very large, uniform, quite firm, of excellent flavor. Strong grower, and makes many large stocky plants. Doz., 40c.; 100, \$1.00; 1,000, \$4.25.

MUSKINCUM—A valuable perfect flowered berry. *Very late*, large size and desirable. Doz., 25c.; 100, 60c.; 1,000, \$3.00.

CRAWFORD—Large, firm, beautiful red fruit, of fine quality; ripens early, continues long in bearing, very prolific; a vigorous grower and one of the *finest on rich soil*. Doz., 25c.; 100, 75c.; 1,000, \$3.00.

MARY—(P)—A new variety, said to be the largest strawberry yet produced. Most prolific, beautiful and firmest of all large berries. Very regular in size, bright color, good quality. *Medium late*. Dozen, 30c.; 100, \$1.00; 1,000, \$5.00.

We call special attention to our list of Small Fruits. While not extended, it contains the best standard; also some of the choicest new varieties.

IOWA BEAUTY—One of the handsomest berries in cultivation; large size, fine shape. Foliage strong and vigorous. Quality good, quite firm, good pollinator. Medium early. Doz., 30c.; 100, 70c.; 1,000, \$1.00.

Special Prices for Larger Quantity than offered above, also of any other leading variety, on request.

GOOSEBERRIES.

Plant in good rich soil, in rows 5 feet apart by 3 feet in the row.

If to go by mail add 10 cts. per dozen additional for postage.

NEW COLUMBUS. Well tested, meeting with good success everywhere. Fruit of the largest size, oval, greenish yellow, and of first-class quality. *Pronounced by high authority as "the best variety yet introduced," and "free from mildew of either fruits or foliage."* Each, 40c.; 3 for \$1.00.

INDUSTRY—Is a heavy cropper; large and sweet; early, and free from mildew. Dark red color. Each, 25c.; doz., \$1.50.

SMITH'S—Vigorous and excessively productive. Large, greenish yellow; skin thin, and of fine quality. Each, 15c.; doz., \$1.40.

COLDEN PROLIFIC—An American seedling of English type. Hardy, a good grower and *unusually free from mildew*. Large, deep golden yellow; very attractive; quality excellent. Each, 30c.; doz., \$2.25.

DOWNING—Of large size; pale green; of splendid quality for cooking and table use. Each, 15c.; doz., 90c.

CHAUTAUQUA—The new White Gooseberry equals the finest and largest varieties in size, beauty and quality, and excels them all in vigor and yield. Very sweet and of exquisite flavor. Perfectly free from spines and hair. Often grows $1\frac{1}{2}$ inches long. Each, 50c.; 3 for \$1.00.



NATURAL SIZE

CURRANTS.

The plants of this fruit should be set four feet apart in good rich soil. Cultivate well or mulch heavily.

If to go by mail add 25 cents per dozen for postage to one year plant price. Two-year plants, on account of size, must go by express; prices of same on application.

FAY'S PROLIFIC—This has been a great seller since its introduction. Is a robust grower; large fruit, bright red, and of good flavor. Each, 10c.; doz., 65c.; 100, \$4.00.

LA VERSAILLES—An old standard. Fruit very large, red, and of excellent quality. Each, 10c.; doz., 65c.; 100, \$4.00.

VICTORIA—Large, bright red; bunches long; medium size; very productive and ripens late. Each, 10c.; doz., 65c.; 100, \$4.00.

WHITE CRAPE—This variety is the leading one of its kind. Large, of excellent flavor, a good grower and yielder. Fine for table use. Each, 10c.; doz., 65c.; 100, \$4.00.

NORTH STAR—Said to combine more good qualities than any other. Extremely hardy; grows freely from cuttings. An early and abundant fruiter; a strong grower. Each, 15c.; doz., \$1.00.

CRANDALL—A leading black seedling, but distinct from European varieties and without their odor. Is a vigorous grower, producing berries the next year after planting. Of large size, and a good keeper. Each, 15c.; doz., \$1.25.

BLACKBERRIES.

If to go by mail add 10 cts. per dozen, 50 cts. per 100 additional for postage.

Should be planted in rows six feet apart and four feet in the rows. Do best in good rich soil.

EARLY HARVEST—One of the earliest blackberries in cultivation. Fruit of medium size; productive. Each, 10c.; doz., 60c.; 100, \$2.00.

ELDORADO—An enormous yielder; berries jet black and borne in large clusters; of pleasant taste and a good keeper. Each, 15c.; doz., \$1.25; 100, \$5.00.

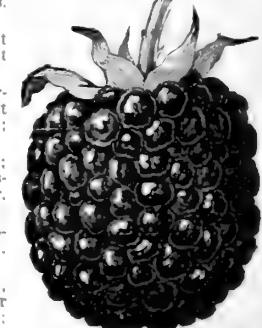
ERIE—Vigorous grower; very productive. Fruit large and of good quality. Each, 10c.; doz., 50c.; 100, \$2.00.

ACAWAM—Medium size, jet black, very sweet; no core. One of the best for family use. Each, 10 cts.; doz., 60 cts.; 100, \$2.00.

SNYDER—One that is hard to beat. Early, extremely hardy, very prolific and of fair size. Each, 10c.; doz., 60c.; 100, \$2.00.

TAYLOR—Berries of delicious flavor, larger than Snyder, of sturdy growth, ripens late and is a good variety for cold climates. Each, 10c.; doz., 60c.; 100, \$2.00.

ANCIENT BRITON—One of the best and hardest, superseding many others in the North. Goes on its merits. Profitable market sort. Each, 10c.; doz., 90c.; 100, \$2.50.



DEWBERRY.

LUCRETIA—The best of all Dewberries. Early, ripens before late raspberries are gone. The plant is hardy and remarkably productive, berries one and one-half inches long and one inch in diameter; of a soft, sweet and luscious flavor. Each, 10c.; doz., 40c.; 100, \$1.50.

RASPBERRIES.

Will do well on any soil that will produce a good corn crop. Plant in rows five feet apart, and three feet apart in the rows.

If to go by mail add 10 cts. per dozen, 40 cts. per 100 for postage.

EUREKA—One of the earliest Black Caps. Large and very productive; strong, large, upright grower, healthy foliage; one of the hardiest. Each, 15c.; doz., 65c.; 100, \$2.00.

CAUL PERPETUAL (Everbearing)—Second early; a novelty in small fruit, being a perpetual bearer until killed by frost. Fruit a beautiful black, large and firm; fine rich color. Each, 25c.; doz., \$2.40.

CRECC—One of the leading black caps. Berries very large; splendid market variety. For best results give good rich soil. Each, 10c.; doz., 40c.; 100, \$1.25.

OHIO (Black)—Hardy, vigorous and productive. Fruit is of fine flavor. The leader for canning and evaporating. Each, 10c.; dozen, 40c.; 100, \$1.25.

MILLER'S RED—One of the earliest, and comes highly recommended. Bright red berries, sturdy, vigorous grower and productive. Each, 10c.; doz., 60c.; 100, \$1.75.

COLUMBIAN—An improved red; one of the latest and best; very hardy; of high flavor when ripe and comparatively firm for a red berry. Each, 20c.; doz., \$1.60.

CUTHBERT—Large; firm; deep rich crimson; very productive; a strong and hardy variety. An excellent berry for either field or garden culture. Each, 10c.; doz., 30c.; 100, \$1.25.

ROYAL CHURCH—This is one of the most productive of all reds, there being as high as 150 berries on a single stem. Highly recommended for home gardens. Each, 10c.; doz., 60c.; 100, \$2.00.

JAPANESE (Wineberry)—Berry, round, deep red, glossy, and fairly firm; borne in large clusters. Esteemed for canning, preserves, jellies, etc. Each, 10c.; doz., 40c.; 100, \$1.25.

COLDEN QUEEN—A handsome, large, golden yellow berry. Productive. Quality first-class. The most profitable yellow variety. Each, 10c.; doz., 40c.; 100, \$1.25.

Larger Quantities will be Quoted on Application.

PRICE OF PLANTS—The prices quoted are net cash for spring delivery, and we will not be held to these prices in July, August, etc. (Fall delivery.) No plants sent C. O. D. Not less than 6 of any one kind will be furnished at dozen rates, 50 at 100 rates.

PLANTS BY MAIL—Plants are packed with sphagnum moss, oiled manilla paper, so they will go safely to any part of the United States.

ERRORS—With our system errors very rarely occur, and when they do we are glad to rectify them, if notified at once.

GRAPES.

Plant about eight feet apart by a fence or building. For vineyard plant in rows eight feet apart, six to eight feet apart in the row.

Single Vines sent free of postage. For one-year vines add 10 cents per dozen, 25 cents for 50, and 40 cents per 100 for postage. For two-year vines add 25 cents per dozen; 100 and over to go by express at purchaser's expense.

EARLY OHIO (New)—Extremely early, hardy and productive. A black, fine and firm berry, which hangs to the stem persistently. Being an abundant bearer, and exceedingly early, has brought it into popular favor as one of the best for shipping. 1 year, each, 35c.; 3 for \$1.00. 2 year, each, 50c.; 3 for \$1.25. *Prices of larger quantities on application.*

NEW COLUMBIAN—One of the largest grapes known. The vines are hardy and vigorous growers. The fruit is dark blue, of good quality, and a long keeper for shipping purposes. 1 year, 10c. each; 3 for \$1.00. doz., \$2.00. 2 year, 50c. each; 3 for \$1.25; doz., \$3.25.

CONCORD—One of the most popular grapes. Succeeds everywhere. Color, purplish black. 1 year, 10c. each; doz., 65c.; 100, \$3.50. 2 year, 15c. each; doz., \$1.00; *by express*, \$6.00.

MOORE'S EARLY—Large, black, fine quality. 1 year, 10c. each; dozen, 75c.; 100, \$3.50. 2 year, 15c. each; dozen, \$1.00; 100, *by express*, \$6.00.

ACAWAM—Fruit large, skin thick, pulp soft and sweet. Color, dark red. 1 year, 15c. each; doz., 90c.; 100, \$4.00. 2 year, 20c. each; doz., \$1.50; 100, *by express*, \$6.00.

BRICKTON—Large bunches; resembles Catawba, but as rich as Delaware. 1 year, 15c. each; dozen, 75c.; 100, \$4.00. 2 year, 20c. each; doz., \$1.00; 100, *by express*, \$6.00.

CATAWBA—Berries large, round, red, sweet and rich, with pleasant musky flavor. 1 year, 15c. each; doz., 75c.; 100, \$4.00. 2 year, 20c. each; doz., \$1.00; 100, *by express*, \$6.00.

DELAWARE—Small bunches, light red, sweet and fine flavor. 1 year, 15c. each; dozen, 90c.; 100, \$4.00. 2 year, 20c. each; doz., \$1.00; *by express*, \$6.00.

LADY WASHINGTON—Beautiful pale yellow. Bunch and berry large. Each, 20c.; 3 for 50c. 2 year, 25c. each; 3 for 60c.

NIACARA—A hardy, strong grower; large and compact bunches; berries fully as large as Concord, of light, greenish white color; good quality. 1 year, 15c. each; dozen, 65c.; 100, \$4.00. 2 year, 20c. each; doz., \$1.00; 100, *by express*, \$5.00.

POCKLINGTON—Bunch and berry large; golden yellow. Each, 15c.; dozen, 75c.

WHITE LADY—Yellowish green; rich; fine. Each, 15c.; dozen, 90c.

Quoted on Application.

GUARANTEE—The plants being propagated in special beds, and labeled when taken up it seems impossible to make a mistake, but if a mistake occurs we are not to be held for any damages beyond the amount received for the plants.

RESULTS—We have no control over plants after their delivery, in good shape, for transportation, hence, we can not guarantee any results whatever, but our responsibility ceases when delivered to express companies or freight agent for shipment.

WE ARE EXCLUSIVE AGENTS FOR CENTRAL OHIO FOR

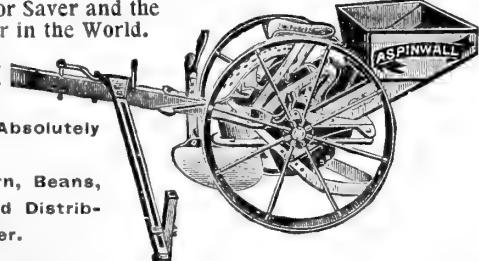
THE CELEBRATED **ASPINWALL POTATO MACHINERY.** PREPARED TO MAKE SPECIAL PRICES AND EASY TERMS. IF YOU EVEN THINK YOU OUGHT TO HAVE A PLANTER OR OTHER MACHINES WRITE US.

ASPINWALL POTATO PLANTER.

A Great Labor Saver and the Best Planter in the World.

6 to 8 Acres Planted per Day, in one operation Absolutely Guaranteed.

Plants Corn, Beans, Ensilage, and Distributes Fertilizer.



We have sold this Planter for 6 or 7 years and have never sold one but what the customer thought it one of the best investments he ever made. If you even anticipate buying, write for our Special Prices.

WITH DISC COVERERS.

This machine is intended for those growers who prefer to ridge up high and plant quite deep. The Disc Coverers accomplish that purpose readily, and they may be used to make a ridge on which cabbage, strawberry plants, etc., can be set out.

The Disc Coverers can be attached to any Aspinwall Potato Planter made within the past six years.

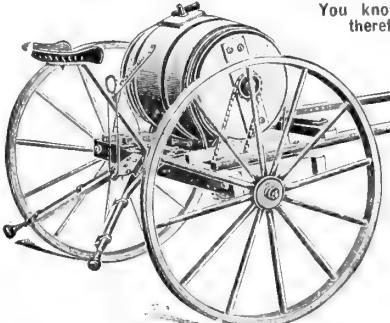
WITH FERTILIZER ATTACHMENT.

It distributes from 200 to 1,500 pounds to the acre, and deposits the fertilizer just where needed. The Attachment is readily attached or detached from the machine, and it can be used for distributing fertilizer for various other small crops.

WRITE US FOR SPECIAL PRICES ON ASPINWALL POTATO PLANTERS, CUTTERS, SORTERS, SPRINKLERS, &C.

ASPINWALL SPRINKLER FOR PARIS GREEN.

You know what the Bugs will do, therefore get ready for them.



This machine applies Paris Green, London Purple and Bordeaux Mixtures (to prevent blight) to the potato vines, and two rows from 20 inches to 3 feet apart can be sprinkled at a time and 10 to 15 acres covered in a day.

The poison is evenly mixed and uniformly applied, and the machine can be used also for spraying cabbage and other plants.

Price, f. o. b. cars, here, \$25.00.

ASPINWALL POTATO CUTTER.

You don't know what a good thing you miss, if you fail to provide yourself with this Cutter.

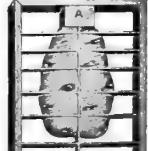
It is a most convenient, handy and valuable little machine.

It cuts the potatoes, divides the eyes and removes the seed ends.

Don't fool away your time in the old way.



Price of Aspinwall Potato Cutter, on board cars here, \$10.00.



Bed of Knives show manner in which Potato is cut.

FERTILIZERS, INSECTICIDES AND FUNGICIDES.

FERTILIZERS, ETC.

As there is now very strong competition in Fertilizers, we prefer to make a special price to parties wanting it in ton or car lots. Can furnish at prices quoted below, Fertilizers, F. O. B. Columbus.

FINE RAW BONE—Analysis—Ammonia, 4 to 5 per cent.; Phosphoric Acid, 22 to 24 per cent.; Bone Phosphate, 48 to 55 per cent. A first-class article and an excellent fertilizer for grass land, wheat, etc., but does not give as quick results as phosphates. 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bag of 200 lbs., \$3.75; 3 bags, \$10.00.

GARDEN CITY SUPER-PHOSPHATE

Analysis—Ammonia, 2½ to 3½ per cent.; Soluble Phosphoric Acid, 4 to 4½ per cent.; Reverted Phosphoric Acid, 4 to 4½ per cent.; Insoluble Phosphoric Acid, 4 to 4½ per cent.; Actual Potash, 0.54 to 1.08 per cent. Stands without a rival as the largest crop producer at the smallest outlay. 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bag of 200 lbs., \$3.50; 3 bags for \$10.00.

PURE GROUND BONE—Analysis—Ammonia, 3 to 4 per cent.; Bone Phosphate, 40 to 50 per cent.; Phosphoric Acid, 18 to 22 per cent. Every bag guaranteed pure bone and will act quicker than the *Fine Raw Bone*. 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bag of 200 lbs., \$3.75; 3 bags for \$10.00.

POTATO GROWER—Analysis—Ammonia, 3 to 4 per cent.; Available Phosphoric Acid, 7 to 9 per cent.; Sulphate Potash, 4 to 5 per cent. The best value for the money of any special, and too much cannot be said for it, a thoroughly reliable stimulant for the potato crop. 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bag of 200 lbs., \$3.75; 3 bags for \$10.00.

DISSOLVED BONE PHOSPHATE—A good article containing both Ammonia and Phosphoric Acid. 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.00; bag of 200 lbs., \$3.00; 3 bags for \$8.00.

LAWN FERTILIZER—See page 59.

NITRATE OF SODA—For early vegetable crops, especially where leaf growth is desired, it will produce wonderful results. As the market fluctuates, these prices are **liable to change without notice**. 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$1.25; 200 lbs., \$8.00.

CANADA UNLEACHED HARDWOOD ASHES—Indispensable as a lawn dressing or to apply to orchards. They should be applied late in fall or early in the spring, so that the rains and snow may leach the ashes and carry the elements down to the roots of grass or trees. Our ashes are screened and are in proper condition for immediate use. Apply at the rate of 1,000 to 1,500 lbs. per acre. 50 lbs., \$1.00; per bbl. (about 250 lbs.) \$3.00.

SHEEP MANURE (Pulverized)

A pure natural manure. Its effect is immediate and lasting. Excellent for the vegetable garden; it promotes a rapid, steady growth until maturity. It makes a rich, safe and quick Liquid Manure. Per 100 lb. bag, \$3.00; per ½ ton (500 lb.), \$12.00; per ton, \$40.00. In packages of 2 lbs., 15c.; (or by mail, 35c.); 4 lbs., 25c.; 10 lbs., 50c.

LAND PLASTER OR GYPSUM—Used by many potato and vine growers. Excellent to mix with Paris Green, at the rate of 100 lbs. of Plaster to 1 lb. of Paris Green. For the striped bug on melons and other vines, in the evening to a bucket of Plaster add one tablespoonful of kerosene; cover close and apply next day. This will be found very effective and cheap. Per barrel of about 300 lbs., on cars, \$1.75; 5 barrels for \$8.00.

We can furnish the following well-known and valuable Fertilizers: Challenge Corn Grower, Prairie Phosphate, Ralston's Bone Meal and Acid Phosphate, Muriate of Potash, Sulphate of Potash "Kainit." Prices given on application.

CRUSHED OYSTER SHELLS—Manufactured from good clean shells. All poultrymen use it. 20 lbs., 30c.; 100 lbs., \$1.00.

COARSE GROUND BONE—About the size of wheat or cracked corn, and should be kept within access of poultry. 25 lbs., \$1.00; 100 lbs., \$2.50; 200 lbs., \$4.75.

MICA CRYSTAL GRIT—A nicely granulated rock for poultry, pigeons, ducks and geese. We consider it quite valuable to the poultryman. 25 lbs., 40c.; 100 lbs., \$1.25.

BOWKER'S PLANT FOOD FOR HOUSE PLANTS.

Perfectly odorless and clean. Each package contains a pamphlet on the treatment of house plants, with directions for applying the Fertilizer. By express, per package, 25c.; per dozen, \$2.50. By mail, postpaid, box, 40c.



INSECTICIDES, FUNGICIDES, ETC.



SLUG SHOT.

Non-poisonous; no danger need be apprehended by the person applying it, nor will it injure chickens or animals should they eat it, unless in large quantities. It does not render injurious the vegetables and fruits on which it is applied, and yet it is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms and insects. It comes ready to be applied, and is simply dusted lightly on so that it reaches all parts of the plants. For further information send for "Fighting Insects in the Garden," Sent free. Our sales of *Slug Shot* double annually.

PRICES—Barrels, holding 235 lbs. net, 4c. per lb.; 100 lbs., \$4.25; 50 lbs., \$2.25; 10 lbs., 50c.; 5 lbs., 35c. By mail, postpaid, lb., 30c.; 3½ lbs., \$1.00.

HAMMOND'S GRAPE DUST—For the prevention and destruction of mildew on plants. **PRICES**—5 lb. package, 35c.; kegs of 100 lbs., \$5.00. By mail, postpaid, 30c. per lb.

HAMMOND'S COPPER SOLUTION—A Concentrated Liquid Fungicide—Prepared ready for immediate use on trees, vines or vegetables affected with rot, blight or scab, with safety to the foliage (the use of the off-hand prepared mixtures of copper are frequently attended with destruction of the foliage); this solution can be handled safely by any ordinary careful person without danger of harm, and will positively do good. Put up in quart cans which must be sent by express or freight, at purchaser's expense. Per can, 60c.

Dusters for Slug Shot or Other Powders—Half-gallon size, 30c.; gallon, 50c.

FOSTITE POWDER (Fungicide)—Tried and tested, highly endorsed and recommended by prominent Horticulturists, Fruit Growers and Florists in different sections of the United States. Especially for rose mildew, rot and mildew on grapes, *carnation rust*, etc., etc. **IT PROVES TO BE MOST VALUABLE.** Must go by express or freight at buyer's expense. Per box of 5 lbs., 50c.

TOBACCO DUST—Very effective, being leaves and not ground stems; much used on cabbage and in vegetable hot-houses. Lb., 10c.; (by mail, postpaid, 30c.) By express, 10 lbs., 50c.; 25 lbs., \$1.00; 100 lbs., \$3.25.

PARIS GREEN—½ lb., 15c.; ½ lb., 20c.; lb., 30c. By mail, 16c. lb. extra.

TOBACCO STEMS—For fumigating plants infested with green fly, etc. Per lb. 15c.; bbl., \$1.00.

TOBACCO AND SULPHUR—Destroys rose bugs, lice, cut worms, vine bugs, tomato worms, currant worms, cabbage lice and parasites of all descriptions. Should be applied when the foliage is wet. Also a most complete fertilizer for plants and vines. Mix thoroughly with earth in pots, or in the hill, one part powder to five parts earth. Easy to apply, and will not burn or injure the plants. Makes dark green foliage and healthy, vigorous growth. Valuable for hot-houses, nurseries, etc. No weed seeds in it. Earthworms will not live where it is used. Trial package, ½ lb., 25c.; 2 lbs., 75c., by mail, prepaid.

BORDEAUX MIXTURE—For black rot, downy mildew and anthracnose of grapes, potato blight, potato rot, leaf blight of cherry, pear, quince and other fungus diseases. 20-lb. package (50 gallons wash), \$1.00.

PYRETHRUM PERSIAN INSECT POWDER, or BUHACH—Very destructive to all kinds of insects, such as roaches, ants, fleas and other insects on plants and animals. A very little will do the desired work. Oz., 10c.; ¼ lb., 20c.; lb., 50c. By mail, 16c. lb. extra.

WHALE OIL SOAP—Makes an excellent wash for trees and plants where insects and eggs effect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. **PRICE**—15c. per lb.; 2 lbs., 25c. If by mail, add 16c. per lb. for postage.

For insects on plants, dissolve ¼ lb. to a gallon of water; apply with syringe and spraying pump. For bark insects, etc., dilute with water to consistency of thick paint and apply with brush.

HELLEBORE, POWDERED WHITE—For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and London Purple and safer to use when fruits or vegetables are nearly ripe. ¼ lb., 15c.; lb., 40c.; by mail, 16c. extra.

Dry Application—Dust on dry or mix 1 lb. with 4 lbs. of powdered lime or flour, dust on with powder duster, or bellows or gun.

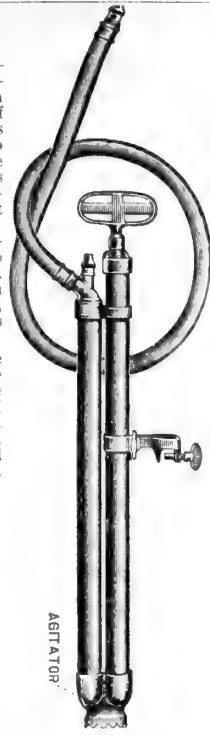
In Solution—Dissolve 1 ounce to 3 gallons of water; apply with syringe, pump or vaporizer.

DOG SOAPS—Either Spratt's or Glover's, cake, 25c.; by mail, 30c.

MEDICINE AND FOOD FOR DOGS, BIRDS, ETC.—Write for what you want.

SPRAYING OUTFITS.

MYER'S BUCKET BRASS SPRAY PUMP—With Agitator, complete with hose. Combination Fine and Coarse Spray and Solid Stream Nozzle. This Spray Pump is constructed of brass, and is not effected by the poisonous arsenites used for spraying. It is arranged so that the heavy work is done on the down stroke of the plunger and nothing on the up. It is thus very easy to operate, and has extraordinary power. Will throw a solid stream 50 feet and is of unusual value for washing windows etc. For spraying it is arranged so that it discharges a fine jet in bottom of bucket to keep the solution thoroughly mixed and agitated. The pump is provided with a combination nozzle, and also with a sprinkler for flowers, and will throw a spray as fine as mist, or as coarse as required. **Price**—Complete, \$5.00.



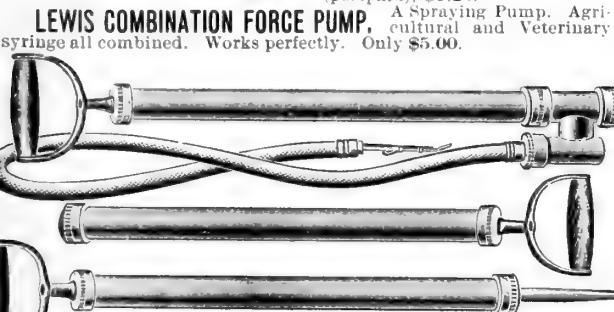
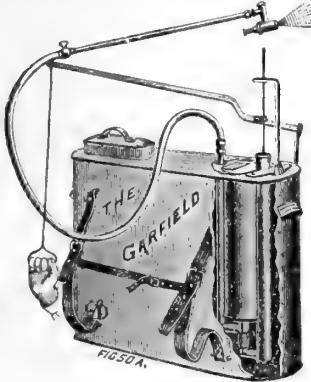
MYER'S BUCKET SPRAY PUMP

Garfield Knapsack Sprayer—

Made entirely of brass and copper. The tank holds five gallons, has brass pipe 15 inches long and Combination Vemorel Nozzle attached. \$10.50.

VEMOREL SPRAY NOZZLE—

(postpaid), \$1.25. A Spraying Pump. Agricultural and Veterinary syringe all combined. Works perfectly. Only \$5.00.



LEWIS PUMP.

We can also supply Hose, Brass Pipe, Couplings, etc., at market prices; also some other Pumps, Sprayers, etc., at regular prices.

SYRINGES—**BRASS GREENHOUSE AND GARDEN SYRINGES**—Useful for all horticultural purposes, and are fitted with caps for roses, for ejecting water in one stream or dispersing



it in the most gentle manner, or with great force, when required. Specially adapted for cleansing plants and flowers from those destructive insects which are so injurious to them, by means of whale oil soap, tobacco juice, etc. Strongly made from the best quality of brass, finely polished, elegant appearance, not liable to dent or injury, and if properly cared for will last a lifetime. **Sent only by express at expense of the purchaser.**

One Stream and One Spray Nozzle.—**Letter A**—\$2.00. **Letter A**—Unpolished, \$1.50. **Letter B**—\$2.50. **Letter C**—\$3.25.

Letter G—**New Sample**)—A cheap syringe with Angle Joint will do the work of a more expensive syringe. Open rose syringe, barrel 16 inches by $1\frac{1}{2}$ inch in diameter. One spray and one stream rose, side attachment and fixed elbow joint. The fixed elbow joint can be detached from the end of the barrel at will, and the syringe used in the ordinary way. \$4.50.

Letter H—Cheap, new, all brass $18 \times 1\frac{1}{2}$ inch.; strong, durable, fills quick, discharges perfectly. \$2.00. **Letter K**—Size smaller. \$1.50.

PLANT BED CLOTH.

A PROTECTING CLOTH OF water-proof fiber; an excellent substitute for glass in forwarding all kinds of plants in the early spring; safer, as it protects at night, and the plants will not burn if the sash is left on in hot weather. Being light and portable it can be sent into sections where it would be difficult to get sash. We sell thousands of yards of this cloth annually, and customers are well pleased with it. All pieces are a yard wide and contain from 40 to 60 yards each.



Prices—**Heavy Grade**, per yard, 12c.; by the piece, per yard, 10c.; **Medium Grade** (best for general purposes), per yard, 10c.; by the piece, per yard, 8c.; **Light Grade**, per yard, 7c.; by the piece, per yard, 4c.

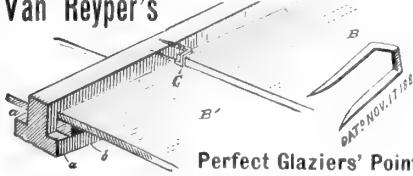
Mail Prices—Customers at a distance who wish to try a few yards can have it sent by mail, postpaid, as follows: **Light**, 8c. per yard. **Medium**, 15c. per yard. **Heavy**, 21c. per yard. Samples mailed free on application.

RAFFIA. **IMPORTED. BEST GRADE.** Gives better satisfaction than anything else for tying plants, asparagus bunches, etc. Light, neat, strong, durable and very cheap. 1b. 25c. 10 lbs., 20c.

White Cotton Twine. For tying Herbs, Radishes, Beets, Celery, Onions, Salsify, etc. Pound, 10c.

JUTE. For tying Vegetables, etc. Pound, 15c. (Twine, Jute and Raffia sent by mail, add 15c. per pound postage.)

GARDEN LINES 100 feet Braided Linen, 40c. Cotton, 25c.

Van Reyper's

These are made of steel wire and galvanized, having double points and lap over the glass in such a manner as to positively keep it from sliding. They may be used on either side of the sash bar, thus preventing the annoyance of rights and lefts.

Per box of 1,000, \$0.00
Lots of 5,000 and over, per box, 55
Pinchers for driving, 50

If wanted by mail send 14c. per box of Points or per pair of Pinchers, extra for postage.

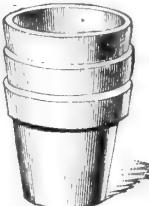
BUSHEL BASKETS—Standard bushel size, strong and durable. Dozen, \$1.50; each, 20c. Must be sent by freight.

LABELS. **Painted Pot Labels.** Best made. Put up in packages of 1,000 each.

Size	Per 1000	Size	Per 1000	Per 1000
3 inch	\$0.45	4 $\frac{1}{2}$ inch	\$0.70	8 x $7\frac{1}{2}$ in. (500 pkgs.) \$2.50
3 $\frac{1}{2}$ "	55	5 "	80	10 x $1\frac{1}{2}$ "
4 "	65	6 "	100	12 x $1\frac{1}{2}$ "

FLOWER POTS. **Must go by Freight.**

	Per 100	Per 500
2 inch	\$0.65	\$1.00
3 "	1.00	5.00
4 "	1.60	7.50
5 "	2.75	11.00
6 "	3.50	
7 "	4.50	
8 "	9.00	

**WIRE—Annealed.**

No. 24	Per lb. 15c.	12 lbs., \$1.00
No. 26	18c.	1.10
No. 28	20c.	1.25
No. 36	30c.	2.10

Sphagnum. Fine, clean Sphagnum for florists' use. Give it a trial. (Bales weigh about 40 lbs.) Per bale, \$1.25.

WOOD FIBER VASES.

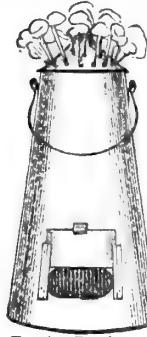
For Florists' Use in Displaying Cut Flowers.

Finished in deep, rich Brown Glaze. Absolutely water-proof. Largely used by Florists and others for displaying cut flowers. Can be used for many purposes. More desirable than glass or earthen, because they are light, strong and will not break if dropped. Pay for themselves in a short time. Have appearance of Polished Mahogany. Cannot be sent by mail. Half dozen in crate.

No. 0-8 inches in diameter, 18 inches deep	Each	\$0.40
No. 1-5 $\frac{1}{2}$ "	10 "	35
No. 2-1 $\frac{1}{2}$ "	9 "	30
No. 3-4 "	6 "	25
No. 4-3 "	4 $\frac{1}{2}$ "	20

FLORISTS Write for Special Prices on any of the above Articles in Quantity. Also many other Supplies in Stock.

At the Prices given below Tools, etc., must go by Freight or Express at the Buyer's Expense, unless Otherwise Noted.



FUMIGATOR. Made of Best Galvanized Iron

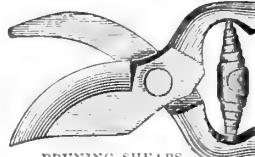
For House 10 x 20 feet.	\$1.25
For House 12 x 40 feet.	1.50
For House 15 x 100 feet.	2.00
For House 20 x 100 feet.	3.50

PRUNING SHEARS. THE BEST MADE.

Very strong. Best Steel Blades, and an excellent spring.

Two Sizes.

Price, 90c. and \$1.00.



PRUNING SHEARS.

PRUNING SAW. Double edge. 16-in., 60c.; 18-in., 70c.; 20-in., 80c.

TELEGRAPH TREE PRUNER—No handle, but has threads on the inside of socket, and can be screwed to the end of a pole of any length. \$1.50.

EAGLE PRUNING SHEARS—The well-known two handle shears. Light and powerful. The best made. No. 1-\$2.50. No. 2-\$2.25.

LAWN MOWERS.

OUR NEW RIVAL and RIVAL HIGH WHEEL.

THE BEST MOWERS MADE.

For Simplicity, Durability and Quality of Work they are unequalled. For Lightness of Draft they excel by a large percentage than any other Mowers. *Send for Circulars* for fuller description.

OUR NEW RIVAL.

12-inch.....	\$3.25
14-inch.....	3.50
16-inch.....	3.75

RIVAL HIGH WHEEL.

14-inch.....	\$5.25
16-inch.....	5.50
18-inch.....	5.75

Must go by Express or Freight.



GRASS HOOKS.

Each, 30c.

TURF EDGERS.

For Trimming Edges of Walks. Each, 75c.

HEDGE SHEARS.

Three Sizes. \$1.50, \$1.75 and \$2.00.

4 ft.....	\$.75.	8 ft.....	\$1.00
6 ft.....	.85.	10 ft.....	1.15
12 ft.....	\$1.25.		



THE BEE WEEDEER.

For the care of Onions, Beets and small Vegetables, Flower Beds and House Plants, by means of which all grass and weeds can be easily removed. Universally recommended by all. Postpaid, 15c.; 2 for 25c.

LANG'S WEEDEER.

Each..... 20c.
Dozen..... \$2.25 LANG'S WEEDEER.

EXCELSIOR WEEDEER. A very useful tool for weeding seed beds, stirring soil in hot-beds, cold frames, etc. By mail, postpaid, 15c. By express, 10c.



Postpaid..... 25c.
By Express..... 20c.

GARDEN DIBBLE.

Postpaid, each, 50c. By express, 35c. each, 3 for \$1.00.



GARDEN TROWELS.

TROWELS, ordinary (postage extra 5c. each), 5 inch, 10c.; 6-inch, 15c.; 7-inch, 20c.

TROWELS, Solid Steel, (postage 5c. extra), 5-in., 40c.; 6-in., 45c.; 7-in., 50c.

HOES—Scuffles—5-in., 55c.; 6-in., 60c.; 7-in., 65c. Handles 15c. extra.

THISTLE OR WEED CUTTERS—For cutting thistles, docks, or other weeds out of lawns, etc., without breaking the surface of the lawn. 50c.

BELLOWS—For Dusting Plants with sulphur or like material. Two Sizes—Each, \$1.00 and \$1.25.

TOOLS.

CURVED AND CONCAVE



SEED

POTATO KNIFE.

Everybody is well pleased with this knife. It is thin, and will cut one, two or three eyes in a piece easier, better and faster than in any other way. Give it a fair trial, and if you are not satisfied that it will pay you to cut your potatoes with it, return it to us and we will refund your money. Price, postpaid, 30 cts. 6 for \$1.50.

Please note how this Knife may be had **FREE** on page 62.

DEAN'S MOLE TRAP.

This is one of the most effective of all traps. It is easily adjusted and never fails to get the mole when properly placed. Directions for setting on each trap. By Express, not prepaid, price, \$1.25.

HALE'S MOLE TRAP.

The Best Trap Made..... Price, \$2.00

CLEVES' GARDEN TROWELS AND DIBBERS



**SOLID STEEL
3 INCH BLADE**

STEEL ANGLE TROWEL.

No. 1, 8 in. (tempered and polished)	\$0.40
No. 2, 7 in., Bright Steel	.30
No. 3, 5 in., Bright Steel	.20

STEEL DIBBLE—Spade Handles.

No. 1, Flat Blade, 10x4 ins	\$1.25
No. 2, Flat Blade, 9x2 1/2 "	1.00
No. 3, Round "	.80
No. 4, Flat Blade, 7x1 1/2 "	.50

DRY POWDER BULB.

SCOLLY'S INSECT POWDER BULB

PUTTY BULB

DRY POWDER BULB

SCOLLY'S INSECT POWDER BULB

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DRY POWDER BULB

PLANET JR. GARDEN TOOLS FOR 1897.

PLANET JR. COMBINED SEED DRILL & CULTIVATOR

The very best machine made for the two purposes.

Price, - - - \$9.00.



PLANET JR. No. 2 SEED DRILL.

Same as the above, excepting that it has no cultivating attachments and has a larger seed hopper.

Price, \$6.50.

PLANET JR. No. 3 HILL DROPPING SEED DRILL.

Price, \$9.00.

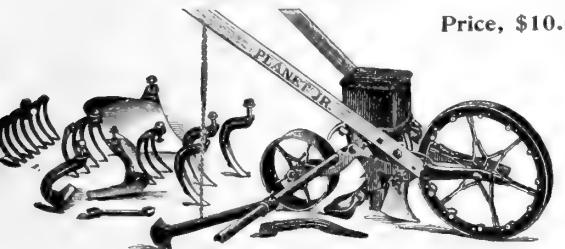


This Drill will sow in a continuous row or in hills.

Wheel, 13 inches high; force feed; easily and quickly changed from hills to drill work.

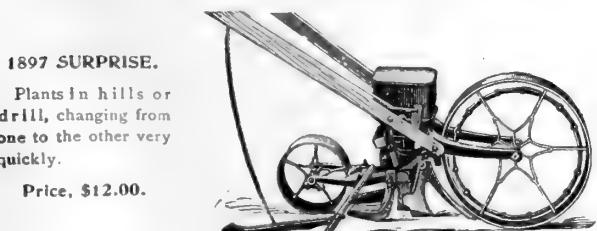
The PLANET JR. No. 4 Combined Hill Dropping Seeder and Single Wheel Hoe, Cultivator, Rake and Plow.

Price, \$10.00.



First offered in 1897.

PLANET JR. No. 5 HILL DROPPING SEEDER.



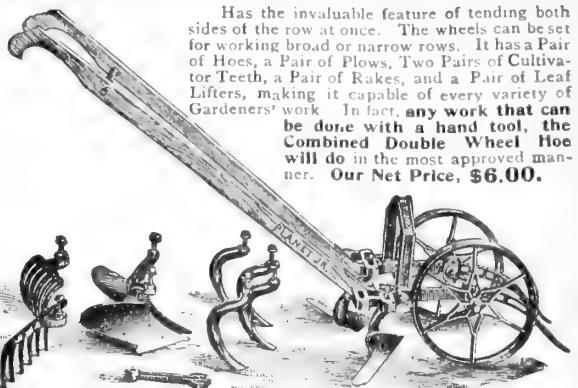
1897 SURPRISE.

Plants in hills or drill, changing from one to the other very quickly.

Price, \$12.00.

PLANET JR. Double Wheel Hoe and Cultivator.

Has the invaluable feature of tending both sides of the row at once. The wheels can be set for working broad or narrow rows. It has a Pair of Hoes, a Pair of Plows, Two Pairs of Cultivator Teeth, a Pair of Rakes, and a Pair of Leaf Lifters, making it capable of every variety of Gardeners' work. In fact, any work that can be done with a hand tool, the Combined Double Wheel Hoe will do in the most approved manner. Our Net Price, \$6.00.



Planet Jr. Plain Double Wheel Hoe, Price, \$3.50.

Planet Jr. No. 15 Single Wheel Hoe Cultivator, Rake and Plow. Price, Complete, \$6.00.

Planet Jr. Single Wheel Hoe

Price, Complete, \$4.50.

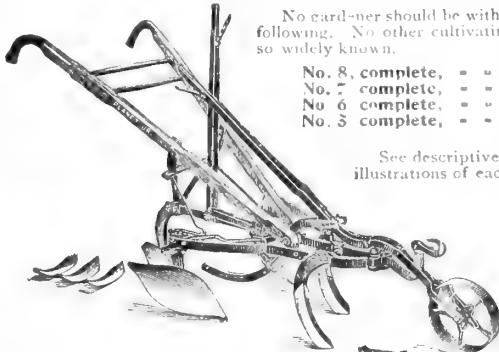
Plain, \$2.75.

THE PLANET JR. HORSE HOES.

No card-ner should be without one of the following. No other cultivating machine is so widely known.

No. 8, complete, - - - \$7.50.
No. 7, complete, - - - \$7.00.
No. 6, complete, - - - \$6.75.
No. 5, complete, - - - \$6.25.

See descriptive catalogue for illustrations of each tool.



Planet Jr. Sweet Potato Horse Hoe, - - - \$7.00

Planet Jr. Sweet Potato Digger, - - - \$15.50

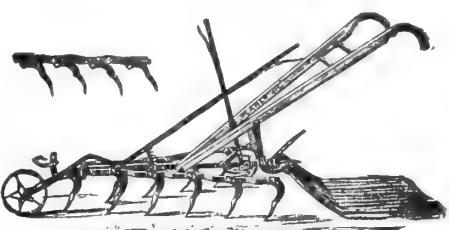
PLANET JR. 12-TOOTH HARROW.

PRICES:

Complete, - - \$7.50

Without pulverizer, - - \$6.15

Without Pulverizer or Wheel, - \$4.90



TWO-HORSE CULTIVATORS.

Planet Jr. Universal Harrow, - - - \$35.00

Planet Jr. Pivot Wheel and Cultivator and Plow, Marker and Ridger, - - - \$40.00

Fire-Fly Single Wheel Hoe Cultivator and Plow Combined—Illustrated and described in Catalogue mentioned below.

Our Net Price, \$3.75.

Fire-Fly Wheel Garden Plow—Illustrated and described in Catalogue mentioned below. Our Net Price, \$2.00.

Repairs furnished on short notice.

First offered in 1897.

A Special Descriptive and Illustrated Catalogue of the "Planet Jr." Tools Free on Application.

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Gardening for Profit. Henderson. New Edition, re-written and enlarged; valuable information on market gardening. Cloth	2 00	By H. L. STEWART.	
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WE WILL FURNISH ANY BOOK, MAGAZINE OR PAPER on Gardening, Agriculture, Horticulture and Stock AT PUBLISHER'S PRICES.

LIVINGSTON AND THE TOMATO.

By A. W. LIVINGSTON.

Being a History of Experiences in Discovering the Choice Varieties introduced by the author, with PRACTICAL INSTRUCTIONS FOR CROWERS AND OTHERS.

He has made a very readable book, and one that any person will enjoy reading, even for pastime. It contains 176 pages, and is a thorough treatise of the subject in hand, and interesting as well as valuable to every grower.

RETAIL PRICE—Handsome Cloth Binding, Gilt Title, Illustrated and Printed on Finest Book Paper, \$1.00, (postpaid).

A few of the 64 Chapters are—"The First Tomato I Ever Saw," "Best Varieties for Certain Purposes," "Running Out," "Crossing," "Profits," "Hot-Beds," "Field Crop Culture," "Staking Up, &c," "Insect Enemies," "Diseases and Remedies," "Harvesting, Shipping, Selling, &c," "Uses of the Tomato," "Cooking Recipes, &c."

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TABLES. SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

LBS. PER BU.	LBS. PER BU.	LBS. PER BU.
Beans, Dwarf, in drills	60	2 bus.
Beans, Pole, in hills	60	10 to 12 qts.
Beets, Table, in drills		5 to 6 lbs.
Beets, Mangold Wurzel		5 to 6 lbs.
Broom Corn, in hills	46	8 to 10 qts.
Buckwheat	48	1 to 3 pecks.
Cabbage—beds to transplant	1/4 lb.	
Carrot, in drills		4 lbs.
Clover, Red	60	20 lbs.
Clover, White	60	12 to 15 lbs.
Clover, Alsike	60	10 lbs.
Clover, Lucerne or Alfalfa	60	20 lbs.
Corn, in hills		8 to 10 qts.
Corn, for fodder	56	3 bus.
Cucumber, in hills		2 lbs.
Grass, Kentucky Blue	14	2 to 3 bus.
Grass, Orchard	11	1 1/2 to 2 bus.
Grass, English Rye	24	1 to 1 1/2 bus.
Grass, Red Top	14	2 bus.
Grass, Timothy	45	1 peck.
Grass, Hungarian	48	1 bus.
Grass, Lawn	14	4 bus.
Melon, Musk, in hills		2 to 3 lbs.
Melon, Water, in hills		1 to 2 lbs.
Oats, broadcast	32	2 to 3 bus.
Onion, in drills		4 to 5 lbs.
Onions for Sets, in drills		40 to 60 lbs.
Onion Sets, in drills		6 to 12 bus.
Parsnip, in drills		4 to 6 lbs.
Peas, Round, in drills	60	2 to 3 bus.

DIS. APART.	NO. PLANTS.	DIS. APART.	NO. PLANTS.	DIS. APART.	NO. PLANTS.	DIS. APART.	NO. PLANTS.
12 x 1 inch	522,720	24 x 1 inch	261,360	36 x 3 inch	58,080	48 x 12 inch	10,890
12 x 3 "	171,240	24 x 18 "	15,520	36 x 12 "	14,520	48 x 18 "	7,790
12 x 12 "	43,560	24 x 24 "	10,890	36 x 18 "	9,680	48 x 24 "	5,445
16 x 1 "	392,010	30 x 1 "	209,088	36 x 24 "	7,260	48 x 30 "	4,356
18 x 1 "	318,180	30 x 6 "	34,818	36 x 30 "	5,808	48 x 36 "	3,630
18 x 3 "	116,160	30 x 12 "	17,424	36 x 36 "	4,810	48 x 48 "	2,723
18 x 12 "	29,010	30 x 16 "	13,068	42 x 12 "	12,416	60 x 36 "	2,901
18 x 18 "	19,360	30 x 20 "	10,451	42 x 24 "	6,223	60 x 48 "	2,178
20 x 1 "	313,635	30 x 24 "	8,712	42 x 36 "	4,148	60 x 60 "	1,743
20 x 20 "	15,081	30 x 30 "	6,970	42 x 42 "	3,556	8 x 1 feet	5,445

NUMBER OF PLANTS OR TREES TO THE ACRE AT GIVEN DISTANCES.

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20 x 20 "	15,081	30 x 30 "	6,970	42 x 42 "	3,556

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